



KONICA MINOLTA

PageScope
Net Care Device Manager Ver. 2.3

User's Guide



PAGESCOPE

Net Care Device Manager



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About this product

Device Manager is a utility software designed to centrally manage the configuration and status check of MFPs on the network as well as user information. With Device Manager, usage status of multiple MFPs and printers can be checked in real time via a Web browser. It also allows for multi-setting of various items, and automatic notification of MFP status information and counter data.

Installing add-on (extension) applications to Device Manager will allow you to use various functions in conjunction with the device.

Abbreviation of product names

This manual describes product names with the following abbreviations.

Product name	Abbrev.
KONICA MINOLTA PageScope Enterprise Suite	Enterprise Suite
KONICA MINOLTA PageScope Web Connection	Web Connection
KONICA MINOLTA PageScope Net Care Device Manager	Device Manager
KONICA MINOLTA PageScope Authentication Manager	Authentication Manager
KONICA MINOLTA PageScope Account Manager	Account Manager
KONICA MINOLTA PageScope My Panel Manager	My Panel Manager
KONICA MINOLTA Gateway for Biometric Authentication Manager	Gateway for Biometric Authentication Manager
KONICA MINOLTA PageScope Enterprise Suite Terminal Professional	Enterprise Suite Terminal
KONICA MINOLTA PageScope Enterprise Suite Terminal UltraLight	

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Dialog boxes

The dialog boxes shown in this manual are those that appear in Windows XP.



Detail

The dialog boxes that appear in this document may differ from those that appear on your computer, depending on the installed devices and specified settings.

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1 Summary

1.1 Introduction

1.1.1 About Device Manager

Device Manager is an application server that enables medium to large-size organizations to centrally manage user and device information.

It works in conjunction with MFPs and printers that are connected to the network to offer a variety of solutions, including reduced device management costs, efficient use of the device, and enhanced security.

Operation status of multiple devices such as MFPs and printers can be checked in real time via a Web browser, allowing for multi-setting of various items, and the automatic notification of MFP status information and counter data.

Basic and extended functions

Device Manager provides the following basic functions.

- Device List
Manages device information.
- User List
Manages user information.
- Counter Reader
Checks the device usage status.
- Server Settings
Configures various settings of Enterprise Suite.
- Admin Console
Allows you to configure database connection settings for Enterprise Suite, back up and restore the database, and change the system administrator password.

Add-on (extension) applications make various extended functions available.

The basic functions provided by Device Manager and add-on (function expansion) applications are collectively called Enterprise Suite.



Reminder

For details on the functions, refer to "Function descriptions" on page 1-3.

Configuration of Enterprise Suite

Enterprise Suite consists of the following elements.

- Database
Centrally manages device and user information.
It uses Microsoft SQL Server.
- Web applications
A Web browser is used to access Enterprise Suite. Web applications interact with a database to transmit information necessary for a Web browser.
Web applications use IIS (Internet Information Services).

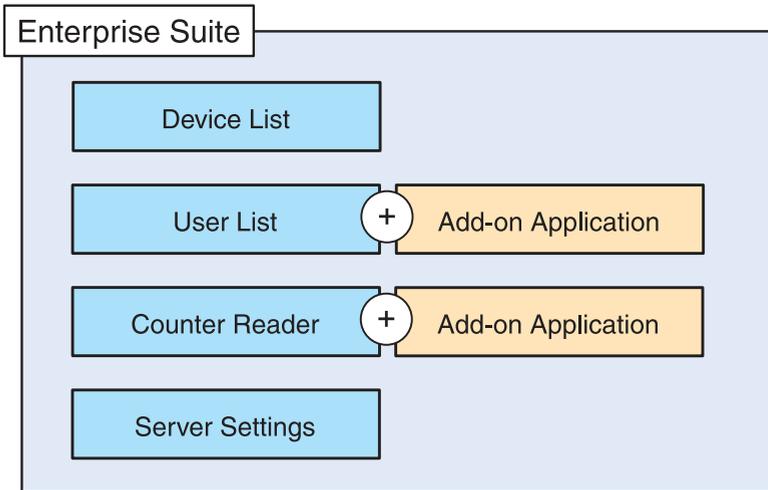
1.1.2 Add-on (extension) applications

Add-on (extension) applications make more advanced functions available in addition to the basic functionality of Device Manager.



Note

The add-on applications do not function by themselves.



To use add-on applications, the following prerequisites must be satisfied.

- Device Manager is active.
- Add-on applications have been installed.
- Module licenses and the required number of device licenses have been obtained and registered. (For paid add-ons)
- Add-on applications have been enabled in the devices. (For paid add-ons)

1.2 Function descriptions

1.2.1 Device List

This function enables central setting and management of multiple devices on the network.

- With this function, the operation status of registered devices can be checked in real time.
- Other manufacturers' network printers can also be managed if they are equipped with an MIB compliant with RFC1213 (MIB-II), RFC1514 (Host Resource MIB) and RFC1759 (Printer MIB).
- The status of registered devices can be displayed in a list for any group or subnet.
- Devices to be managed can be searched automatically, or registered manually.
- Counter data can be checked for each registered device.
- This function obtains the setting value from a single device to fabricate a template, and uses the template to apply the same setting conditions to multiple devices collectively.
- From the registered users, users with Administrator privileges can be specified.

1.2.2 User List

Register information associated with the users and account tracks. Information can be obtained from a file or a connected device over a network.

- From the registered users, users with Administrator privileges can be specified.

For details, refer to "User List" on page 4-1.

Installing Authentication Manager enables you to add an administrative function for user authentication.

For details, refer to the "Authentication Manager User's Guide".

1.2.3 Counter Reader

Counter information about the number of copies and printouts produced by a registered device can be viewed.

- From the registered users, users with Administrator privileges can be specified.

For details, refer to "Counter Reader" on page 5-1.

Installing Account Manager enables you to add a counter collection/analysis function.

For details, refer to the "Account Manager User's Guide".

1.2.4 Server Settings

Specify the basic settings for Enterprise Suite.

- Specify the necessary system administrator settings.
- Settings for e-mail functions can be specified.
- Manage the licenses for add-on applications.

For details, refer to "Server Settings" on page 6-1.

1.2.5 Admin Console

Perform operations such as starting and stopping Enterprise Suite.

Database backup or restore is also performed.

For details, refer to "Using Admin Console" on page 7-1.

1.3 System requirements

1.3.1 Client computer

In order to access Enterprise Suite, the following environment is required.

Web browser

- Microsoft Internet Explorer 6.0 or later
- Mozilla Firefox 3.5 or later
- Apple Safari 2.0 or later (Mac OS only)

Usage notes for a Web browser

- The [Back] and [Refresh] buttons of the Web browser cannot be used.
- You may experience difficulties using the browser if the Intranet security level is set to "Medium" or higher.
If an export file cannot be downloaded, make sure that the security level is set to "Medium-low" or lower.
- Use UTF-8 as the character encoding for the Web browser. You may experience difficulties using the browser if any other character encoding is used.
- If "Image display" or style sheet is set to OFF in the Web browser, you may experience difficulties using the browser.
- Some functions may not be available if a pop-up blocker function is used.
- Do not log on with multiple Web browsers from the same computer. You may experience difficulties using the browser if you have logged on multiple times.
- Do not click buttons and the like in quick succession. Doing so may affect your use of the Web browser.
- Use the standard text size for the Web browser. If the text size is changed from the standard size, you may not be able to select the items using your mouse.

1.4 General setup operation

In order to use Device Manager, configure settings in the following order.

Device Manager settings

Log on to Device Manager as a system administrator, and then specify settings for the following. These items are required for the E-mail notification function and administrator settings.

Function	Description
Device List	Device Auto Discovery: Specify search conditions to automatically detect devices to be registered from the network. (p. 3-58) Manual Device Registration: Manually register devices that cannot be found automatically. (p. 3-76) Device Management: Specify devices to be managed from the registered devices. (p. 3-97) Device Information Settings: Define the communication settings for each device. (p. 3-101)
User List	User Registration: Register users. (p. 4-3) Account Track Registration: Register account tracks. (p. 4-21)
Counter Reader	Device Management: Select the device of which you want to view the counter information. (p. 5-7) Counter Collection Settings: Specify the settings for totaling and saving counters collected from each device. (p. 5-10)
Server Settings	E-mail Server Settings: Select whether or not to use e-mail functions, such as notifications. (p. 6-2)

1.4.1 Administrator settings

Log on to Device Manager as a system administrator and register users. Once user registration is completed, a general administrator for overall Device Manager as well as administrators for each device group can be specified.

For details on registering users, refer to "User List" on page 4-1.

1.4.2 When the date is changed on the computer

If the date is changed from Control Panel, restart the server with Admin Console. For the procedure to restart, refer to "Starting and stopping the server" on page 7-3.

2 Basic operations

This chapter provides details on logging on to Device Manager as well as basic operations.

2.1 Logging on to Enterprise Suite

This chapter provides details on logging on to Enterprise Suite.



...

Note

If the number of simultaneous TCP-level connections is limited to the server where Enterprise Suite is running, multiple users may not be able to log on. For example, with Windows XP Professional, ten users can connect at the TCP level at the same time.



...

Reminder

The functions available after logging on differ for the system administrator and the general user. For details, refer to "Logging on as a general user" on page 2-5.

2.1.1 Accessing the Login page

Access the Login page of Enterprise Suite.

Accessing the Login page

- 1 Start up the Web browser.
- 2 Type in the address of the Login page to access it.
 - The address of the Login page varies depending on your network environment or Enterprise Suite server installation method. For details, refer to "Address of Login page" on page 2-2.

The Login page appears.

Address of Login page

Access environment	Address of Login page
When accessing from a computer in which Enterprise Suite is running	http://localhost/PSES/
When accessing from a computer that is not the one where Enterprise Suite is running	http://[server_name]/PSES/  ... Reminder <i>Replace server_name with the IP address or the name of the host on which Enterprise Suite is running.</i>



Reminder

If the setting has been changed in the IIS Setting page of the Device Manager setup wizard during installation, replace "PSES" with the alias name of the IIS virtual directory, which is used by Enterprise Suite.

To use an IPv6 address for a server name, enclose the address in a pair of brackets, [].

If the server address is "FFFF:FFFF::FFFF", access the following address:

"http://[FFFF:FFFF::FFFF]/PSES/" Some browsers may not allow you to access this server address.

If SSL encryption is enabled for Enterprise Suite, type in https instead of http.

2.1.2 Logging on as a system administrator

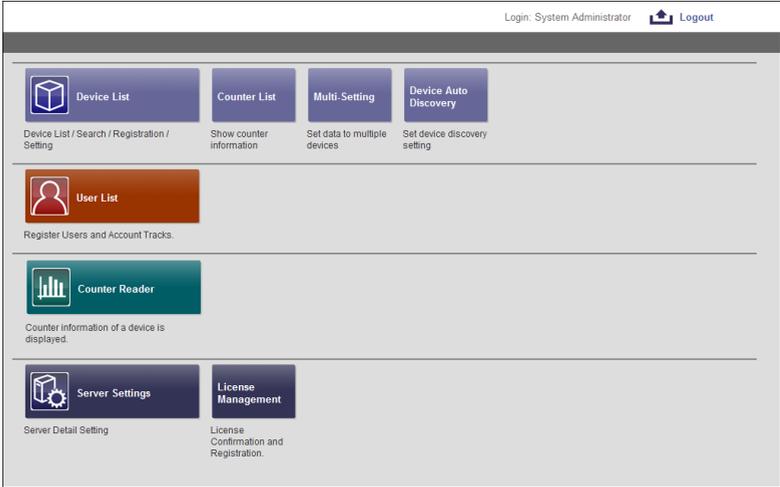
Log on to Enterprise Suite as a system administrator.

Logon procedure

- 1 Access the Login page.
The Login page appears.

- 2 Select [System Administrator].
 - [Operation has timed-out]: Specify the timeout setting if necessary. Timeout occurs automatically if no operations are carried out during the specified period.
 - When the "Idle Time-out Time" value of the computer in which Enterprise Suite is running is shorter than the time specified in [Operation has timed-out], timeout occurs automatically if no operations are carried out even after the time specified in "Idle Time-out Time" has lapsed. To review and setup the "Idle Time-out Time", see the Help of each OS.
- 3 In the [Password] box, type the password for the system administrator of Enterprise Suite.
 - The default system administrator password for Enterprise Suite is Admin.
 - The system administrator password for Enterprise Suite can be changed from Admin Console. For details, refer to "Changing a password" on page 7-20.

- 4 Click the [Login] button.
The Top Menu page appears.



2.1.3 Logging on as a general user

Log on to Enterprise Suite as a general user.

The user information must first be registered with Enterprise Suite. For details on registering users, refer to "User List" on page 4-1.

Also to make the Device Manager functions available for general users, administrator privileges must be specified for a particular user by the system administrator.

For details on specifying administrator privileges to general users, refer to "Administrator Settings" on page 3-122 and "Device Group Manager Settings" on page 3-125.



Reminder

When logged on as a general user, only the function for changing the User List password is available.

Logon procedure

- 1 Access the Login page.

The Login page appears.

The screenshot shows the login interface with the following elements:

- Language:** A dropdown menu set to "English".
- Login:** Two radio buttons: "Registered User" (selected) and "System Administrator".
- Registered User fields:** "User Name" and "Password" text input boxes.
- System Administrator field:** "Password" text input box.
- Operation has timed-out:** A dropdown menu set to "1 hour".
- Buttons:** A "Login" button at the bottom right and a "?" help icon at the top right.
- Warning:** A red message at the bottom: "SSL is not set. Please enable SSL to secure the password and data."

2 Select [Registered User].

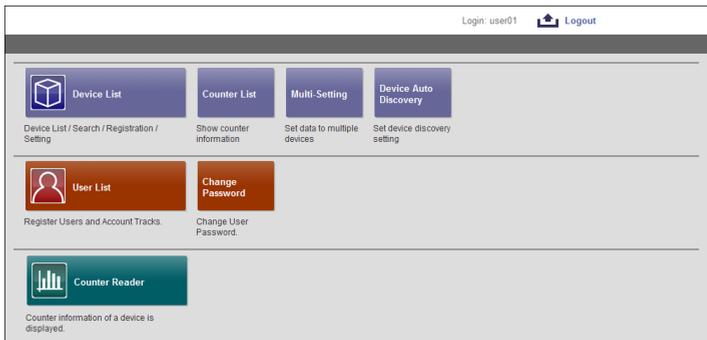
- [Operation has timed-out]: Specify the timeout setting if necessary. Timeout occurs automatically if no operations are carried out during the specified period.
- When the "Idle Time-out Time" value of the computer in which Enterprise Suite is running is shorter than the time specified in [Operation has timed-out], timeout occurs automatically if no operations are carried out even after the time specified in "Idle Time-out Time" has lapsed. To review and setup the "Idle Time-out Time", see the Help of each OS.

3 Enter the information for a registered user.

- [User Name]: Type in the user name.
- [Password]: Type in the password.

4 Click the [Login] button.

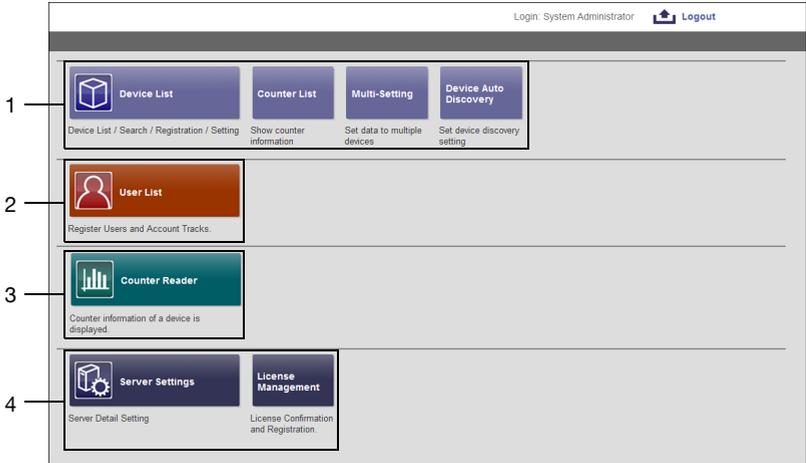
The Top Menu page appears.



2.2 Basic operations

The basic operation of Device Manager is described below.

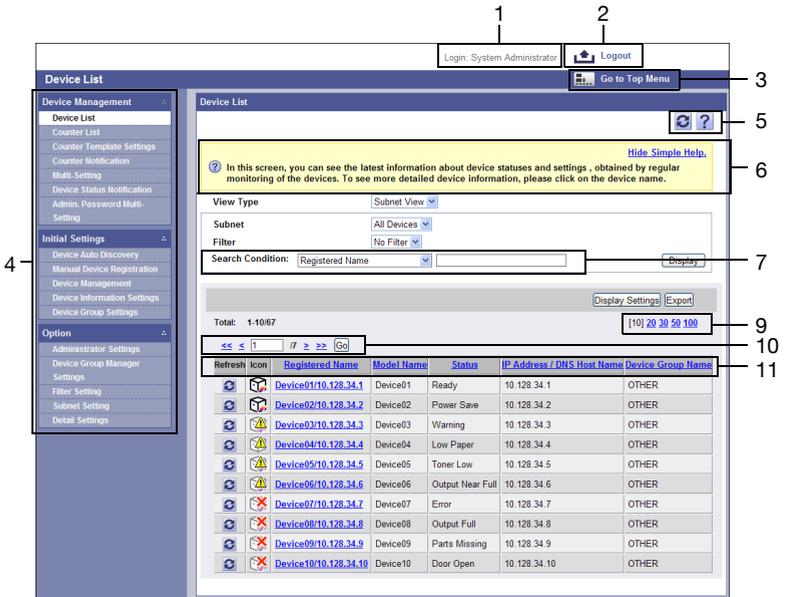
2.2.1 Top Menu page



No.	Function	Description
1	Device List	<p>Devices can be registered and managed. For details, refer to "3 Device List".</p> <p> ...</p> <p>Reminder <i>This function can be used by the "system administrator", the "administrator" dedicated to Device List, or the "device group manager".</i></p> <p><i>For details on "administrator" dedicated to Device List, refer to "Administrator Settings" on page 3-122. For "device group manager", refer to "Device Group Manager Settings" on page 3-125.</i></p>

No.	Function	Description
2	User List	<p>Users can be registered and managed. For details, refer to "4 User List".</p> <p> . . .</p> <p>Reminder <i>This function can be used by the "system administrator" or the "User List administrator".</i></p> <p><i>When logged on as a general user, only the function for changing the password is available.</i></p> <p><i>For details on the user list administrator, refer to "Administrator Settings" on page 4-42.</i></p>
3	Counter Reader	<p>Counters can be totaled. For details, refer to "5 Counter Reader".</p> <p> . . .</p> <p>Reminder <i>This function is available to the system administrator and the Counter Reader administrator.</i></p> <p><i>For details on the Counter Reader administrator, refer to "Administrator Settings" on page 5-13.</i></p>
4	Server Settings	<p>The server settings for Enterprise Suite can be specified. For details, refer to "6 Server Settings".</p> <p> . . .</p> <p>Reminder <i>This function can only be used by the system administrator.</i></p>

2.2.2 Pages for the functions



No.	Function	Description
1	Login user name	Displays the name of the user who is logged in.
2	[Logout] button	Click this button to log off of Enterprise Suite and display the Login page.
3	[Go to Top Menu] button	Click this button to display the Top Menu page.
4	Menu	<p>The menu items are displayed. Click a menu item to display details on the right side of the page.</p> <p> ...</p> <p>Reminder If  appears beside the menu title, click  to display the collapsed menu. Click  to close the menu.</p> <p>If  is displayed, the collapsed menu will not appear.</p>

No.	Function	Description
5		<p>Click this button to display the page for the item one level higher in the menu.</p> <p> ...</p> <p>Note The [<i>Back</i>] button of the Web browser cannot be used.</p>
		<p>Click this button to update the information in the current page.</p> <p> ...</p> <p>Note The [<i>Refresh</i>] button of the Web browser cannot be used.</p>
		<p>Click this button to display the Help information for the current page.</p>
6	Simple Help	<p>The basic help information is displayed for the current page. Help information is displayed or hidden each time "Simple Help" is clicked.</p>
7	Search Condition	<p>When a list is displayed in the page, the listed items can be narrowed.</p> <p>Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.</p>
8	[Select All/Uncheck All] button	<p>When a list is displayed in the page, all items can be selected or cleared.</p>
9	Maximum number of displayed lines	<p>When a list is displayed in the page, select the number of data items displayed in the list.</p> <p>For example, if 10 is clicked, ten data items are displayed in the current page.</p>
10	Page selection	<p>These buttons appear when the list displayed in the page extends over multiple pages.</p> <ul style="list-style-type: none"> • Click the [<i><</i>] button to display the previous page. • Click the [<i>></i>] button to display the next page. • Click the [<i><<</i>] button to display the first page. • Click the [<i>>></i>] button to display the last page. • Type the desired page number in the text box, and then click the [<i>Go</i>] button to display the specified page.
11	Sort List	<p>When a list is displayed on the page, click an item name in the list to sort the entire list using the item as a sort key.</p>

3 Device List

3.1 Device List

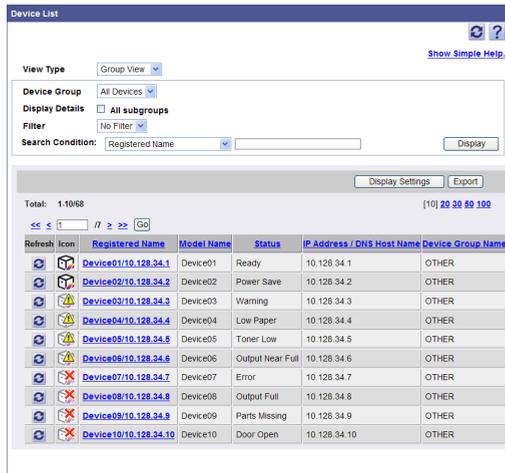
The device list periodically communicates with the registered device to display the device status and the settings in real time. Using the device list, the user can check the remaining amount of paper, error information, administrator, and protocol of the device.

In addition, the user can jump to the device management page or the server incorporated in the device (Web Connection) to change the settings for the device.

3.1.1 Available operations in the Device List page

The list of information of the registered devices can be viewed.

→ On the Top Menu page, click the [Device List] button.



Function	Details
View Type	Changes from one view of the device list to another. Select "Group View" or "Subnet View".
Device Group	Select a device group to be displayed in the device list. The device group must be first registered.
Display Details	Appears only when Group View is selected. Select this check box to display a list of all devices, including subordinate groups if master and subordinate relationships are specified in a device group.
Filter	Select view-narrowing condition (filter) for the device list. The filter must be first registered.

Function	Details
Search Condition	Specify the condition for narrowing devices to be displayed in the list.
[Display Settings] button	Click this button, and then select the items to be displayed in the device list.
[Export] button	Click this button to export the information for the currently displayed devices in the device list and save it.
(Device List)	<p>Checks the information for the devices, calls the device management page where settings for the devices can be registered or calls Web Connection (the server incorporated in the device).</p> <p> . . .</p> <p>Note <i>In some browsers, the server incorporated in the device may not be displayed.</i></p>

Displaying the device list

In the device list, various kinds of information relating to the registered device can be viewed. Also, displayed data can be sorted for each item, and the screen where the settings for the device can be changed can be called by clicking the registered name or icon for the device.

Function	Details
(Item titles)	Click the item title to sort numerical characters or character codes in ascending order. The item with an icon displayed cannot be sorted.
Refresh	Click the icon to communicate with the device and refresh the information for the device.
Icon	Displays the device status. For details on the status icon, refer to "Status icon" on page 3-3.
Registered Name	Displays the registered name for the device. Click the registered name of the device to display the device management page. On the device management page, settings for operation and communication can be specified for each device. For details, refer to "Managing device information" on page 3-6.
Model Name	Displays the model name for the device.
Status	Displays the device status.
Serial Number	Displays the serial number for the device.
IP Address / DNS Host Name	Displays the IP address or DNS host name for the device.
Device Group Name	Displays the name of the group that the device belongs to.
Nickname*	Displays the nickname for the device.
Location*	Displays the installation location for the device.

Function	Details
Contact Person*	Displays the contact person for the device.
MAC Address	Displays the MAC address of the device.
Print Speed	Displays the print speed for the device.
Color	Displays whether the device type is color or monochrome.
Duplex	Displays whether the device supports duplex printing.
Terminal	<p>Displays whether or not the device is using Enterprise Suite Terminal.</p> <ul style="list-style-type: none"> • [in use]: The device is using Enterprise Suite Terminal. • Will Not Display: The device is not using Enterprise Suite Terminal.
Device Server	<p>Click the icon to display the server incorporated in the device (Web Connection) in a separate window. With the Web Connection, settings for operation and communication can be specified for each device.</p> <p> ...</p> <p>Note <i>In some browsers, the server incorporated in the device may not be displayed.</i></p>



Reminder

The display items for the device list can be selected. For details, refer to "Specifying display settings for the device list" on page 3-12.

** indicates item names that can be changed when "Display Settings" is selected on the Server Settings page. For details, refer to "Display Settings" on page 6-4.*

Status icon

In the device list, the status icon that indicates the status of the registered device can be viewed.

The shape of the status icon differs depending on the type of the registered device.

Device type	Normal	Off Line	Error	Warning	Unknown
Monochrome printer					
Color printer					
Monochrome MFP					

Device type	Normal	Off Line	Error	Warning	Unknown
Color MFP					
Device from a competitor					
Virtual device					

3.1.2 Displaying the device list

The device status and the settings can be checked by displaying the device list. There are two types of devices lists: the group view to display devices in each device group specified arbitrary and the subnet view to display devices for each subnet.



Reminder

To display the list of device information, the device must be first registered.

For details, refer to "Device Auto Discovery" on page 3-58 and "Manual Device Registration" on page 3-76.

Group view

- 1 From the [View Type] drop-down list, select "Group View".
- 2 From the [Device Group] drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

3 Click the [Display] button.

A list of devices registered in the selected group appears.

The screenshot shows the 'Device List' window. At the top, there are controls for 'View Type' (set to 'Group View'), 'Device Group' (set to 'All Devices'), 'Display Details' (checkbox for 'All subgroups' is unchecked), and a 'Filter' dropdown (set to 'No Filter'). Below these is a 'Search Condition' dropdown (set to 'Registered Name') and a text input field. A 'Display' button is to the right. Below the search area are 'Display Settings' and 'Export' buttons. The main area shows a table with 10 devices. The table has columns: Refresh, Icon, Registered Name, Model Name, Status, IP Address / DNS Host Name, and Device Group Name. The status of the devices varies, including 'Ready', 'Power Save', 'Warning', 'Low Paper', 'Toner Low', 'Output Near Full', 'Error', 'Output Full', 'Parts Missing', and 'Door Open'.

Refresh	Icon	Registered Name	Model Name	Status	IP Address / DNS Host Name	Device Group Name
		Device01/10.128.34.1	Device01	Ready	10.128.34.1	OTHER
		Device02/10.128.34.2	Device02	Power Save	10.128.34.2	OTHER
		Device03/10.128.34.3	Device03	Warning	10.128.34.3	OTHER
		Device04/10.128.34.4	Device04	Low Paper	10.128.34.4	OTHER
		Device05/10.128.34.5	Device05	Toner Low	10.128.34.5	OTHER
		Device06/10.128.34.6	Device06	Output Near Full	10.128.34.6	OTHER
		Device07/10.128.34.7	Device07	Error	10.128.34.7	OTHER
		Device08/10.128.34.8	Device08	Output Full	10.128.34.8	OTHER
		Device09/10.128.34.9	Device09	Parts Missing	10.128.34.9	OTHER
		Device10/10.128.34.10	Device10	Door Open	10.128.34.10	OTHER



Reminder

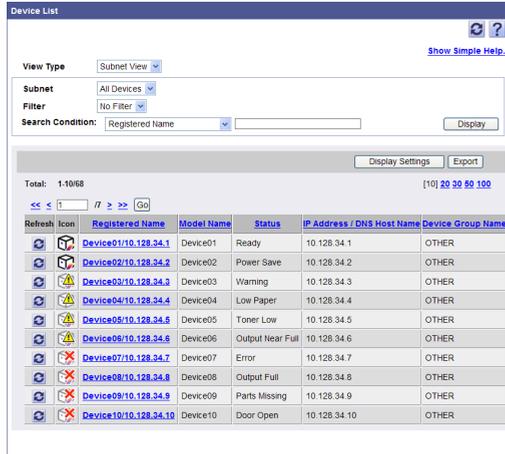
The device group must be first specified. For details, refer to "Device Group Settings" on page 3-113.

Subnet view

- 1 From the [View Type] drop-down list, select "Subnet View".
- 2 From the [Subnet] drop-down list, select the subnet to be displayed.
 - To display all devices, select "All Devices".
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

3 Click the [Display] button.

A list of devices registered in the selected subnet appears.



The screenshot shows the 'Device List' window with the following configuration:

- View Type: Subnet View
- Subnet: All Devices
- Filter: No Filter
- Search Condition: Registered Name
- Buttons: Display Settings, Export, Display
- Total: 1/10/68
- Page navigation: [10] 20 30 80 100

Refresh	Icon	Registered Name	Model Name	Status	IP Address / DNS Host Name	Device Group Name
		Device01/10.128.34.1	Device01	Ready	10.128.34.1	OTHER
		Device02/10.128.34.2	Device02	Power Save	10.128.34.2	OTHER
		Device03/10.128.34.3	Device03	Warning	10.128.34.3	OTHER
		Device04/10.128.34.4	Device04	Low Paper	10.128.34.4	OTHER
		Device05/10.128.34.5	Device05	Toner Low	10.128.34.5	OTHER
		Device06/10.128.34.6	Device06	Output Near Full	10.128.34.6	OTHER
		Device07/10.128.34.7	Device07	Error	10.128.34.7	OTHER
		Device08/10.128.34.8	Device08	Output Full	10.128.34.8	OTHER
		Device09/10.128.34.9	Device09	Parts Missing	10.128.34.9	OTHER
		Device10/10.128.34.10	Device10	Door Open	10.128.34.10	OTHER

3.1.3 Managing device information

Detailed device information can be viewed by calling the device management page from the device list. On the device management page, system information for each device and network information can be viewed and specified.



Reminder

If display of the device management page fails, check the SNMP settings on the Device Information Settings page.

In addition, if timeout occurs frequently, specify settings for "Timeout" and "Retry" on the Detail Settings page. For details, refer to "Detail Settings" on page 3-141.



Note

If "SNMP Write Settings" and "OpenAPI Setting" are not correctly specified on the Device Information Settings page, the "Set to Devices" button is disabled.

→ On the Device List page, click the registered name of the device of which information is to be viewed.

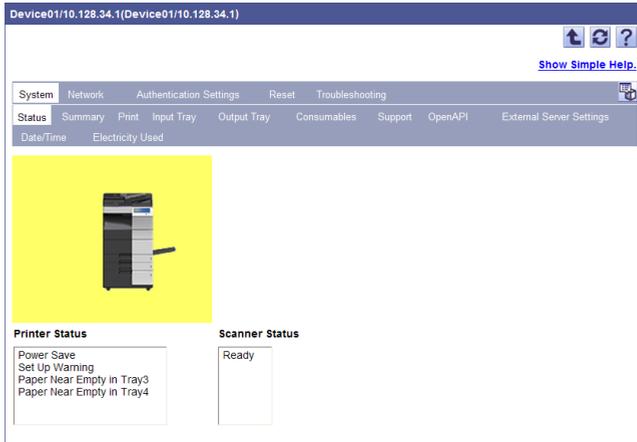


No.	Function	Description
1	Category tab	Click this tab to change from one view of the menu tab to another.
2	Menu tab	Click this tab to change from one view of the information view area to another.
3	(Information view area)	Displays the information of the device selected on the category or menu tab.
4	 (Installed server)	Click this icon to display the server incorporated in the device (Web Connection) in a separate window.  ... Note <i>In some browsers, the server incorporated in the device may not be displayed.</i>

Managing system information

The device status and settings for the printer can be viewed and specified.

- 1 Click the System tab.
- 2 Click the menu tab to be managed, and then check the settings.
 - To change the settings, change the settings, and then click the [Apply] button.
 - To go back to the Device List page, click .



Function	Details
Status	Displays illustrations that indicate the status of the current device or optional installation information.
Summary	Specify and manage detail information for the device such as the nickname, installation location, and administrator for the device.
Print	Displays settings for print speed, resolution, and double-sided print.
Input Tray	Displays the input tray status and setting information.
Output Tray	Displays the output tray status and setting information.
Consumables	Displays the information for consumables such as paper and toner.
Support	Specify the contact address when a trouble occurs.
OpenAPI	Check the status of OpenAPI connection and, change the OpenAPI connection setting of the device as required.
External Server Settings	Check or configure the settings of an external server the device uses for authentication.
Date/Time	Select whether to set the date of the device manually or using a time server.

Function	Details
Electricity Used	Displays the device usage status such as the Total Amount of Electricity Used or the Total Amount of CO2 Emitted on a monthly basis.
Terminal	Configure settings to use Enterprise Suite Terminal.
Use Terminal	Select this check box to use Enterprise Suite Terminal.
Serial number	Enter the serial number of the Enterprise Suite Terminal to be used.
IP Address	Enter the IP address of the Enterprise Suite Terminal to be used.
Version of Firmware	Displays the firmware version of the Enterprise Suite Terminal to be used.
Accounting Driver	Specify the accounting driver to be used for the device.



Note

In order to perform user authentication, the serial number entered for the terminal must be the same as the serial number of the Enterprise Suite Terminal to be used.

Managing network information

Network information can be viewed and specified.

- 1 Click the Network tab.
- 2 Click the menu tab to be managed, and then check the settings.
 - To change the settings, change the settings, and then click the [Apply] button.
 - To go back to the Device List page, click .

Device01/10.128.34.1 (Device01/10.128.34.1)

System | **Network** | Authentication Settings | Reset | Troubleshooting

TCP/IP | Network | Apple Talk | SNMP | SMB | LPD | FTP | HTTP | POP | SMTP | IPP | SLP | Web Service | Others

IPv6 >>

IP Address 10 | 128 | 34 | 1 [Required] Only Number: 0-255

Subnet Mask 255 | 255 | 240 | 0 [Required] Only Number: 0-255

Default Gateway 10 | 128 | 32 | 1 [Required] Only Number: 0-255

Using Boot Protocol Use every time

RAW Print Enable

RAW Port Number 9100 [Required] Only Number: 1-65535

DNS Support Use

DNS Host Name ABCD [Required] Max: 63 chars

DNS Domain Name [Required] Max: 251 chars

DNS Server Address 0 | 0 | 0 | 0 [Required] Only Number: 0-255
 0 | 0 | 0 | 0 [Required] Only Number: 0-255
 0 | 0 | 0 | 0 [Required] Only Number: 0-255

Apply Clear

Function	Details
TCP/IP	Specify information relating to TCP/IP.
Netware	Specify information relating to Netware.
AppleTalk	Specify information relating to AppleTalk.
SNMP	Specify information relating to SNMP.
SMB	Specify information relating to SMB.
LPD	Specify information relating to LPD.
FTP	Specify information relating to FTP.
HTTP	Specify information relating to HTTP.
POP	Specify information relating to POP.
SMTP	Specify information relating to SMTP.
IPP	Specify settings for printing using the IPP.
SLP	Specify information relating to SLP.
Web Service	Specify information relating to the Web service.
Others	Displays the MAC address, serial number, and firmware version.

Managing user authentication settings

User authentication settings for each device can be checked or configured.

- 1 Click the [Authentication Settings] tab.
- 2 Check the settings.
 - To change the settings, change the settings, and then click the [Apply] button.
 - To go back to the Device List page, click .

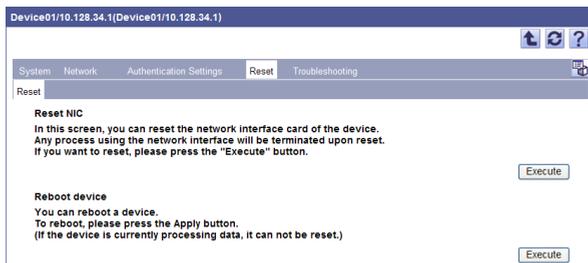


Restarting the device

The device can be restarted remotely from the Device Management page as required, for example, when the IP address of the device has been changed.

- 1 Click the [Reset] tab.

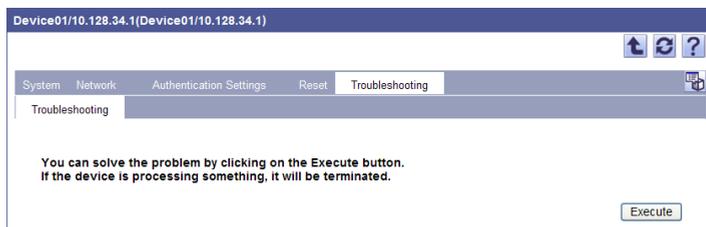
- 2 Click the [Execute] button.



Releasing a device problem

If a problem occurs on the device, it can be released by remote control from the device management page.

- 1 Click the [Troubleshooting] tab.
- 2 Click the [Execute] button.



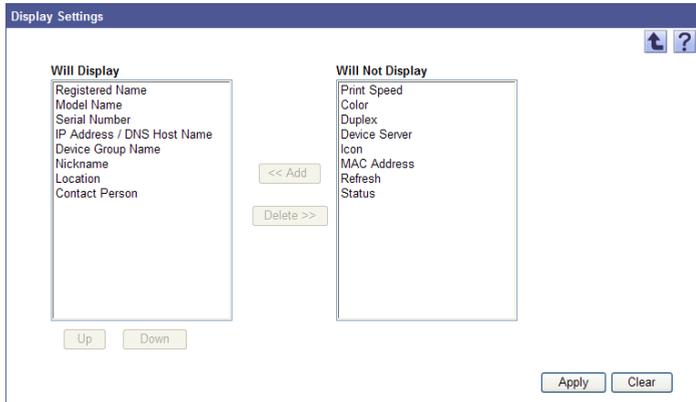
Note

Some types of problems cannot be released by remote control. If you have failed to release a problem, contact our service representative.

3.1.4 Specifying display settings for the device list

The items to be displayed or hidden in the device list and display order can be selected.

- ➔ On the Device List page, click the [Display Settings] button to open the Display Settings page.



Function	Details
Will Display	Displays the list of devices to be displayed in the device list.
Will Not Display	Displays the list of devices not to be displayed in the device list.
[Add] button	Click this button to move the item selected in the [Will Not Display] area to the bottom of the [Will Display] area to add it to the device list.
[Delete] button	Click this button to move the item selected in the [Will Display] area to the bottom of the [Will Not Display] area to delete it from the device list.
[Up] button	Click this button to move up the item selected in the [Will Display] area one line. The display order of the device list is also placed one higher.
[Down] button	Click this button to move down the item selected in the [Will Display] area one line. The display order of the device list is also placed one lower.

Adding display items

Display items in the device list can be added.

Settings can be specified for the following parameters.

- Refresh
- Icon
- Registered Name
- Model Name
- Status

- Serial Number
- IP Address / DNS Host Name
- Device Group Name
- Nickname*
- Location*
- Contact Person*
- MAC Address
- Print Speed
- Color
- Duplex
- Device Server
- Terminal



...

Note

The registered name must be displayed.



...

Reminder

** indicates item names that can be changed when "Display Settings" is selected on the Server Settings page. For details, refer to "Display Settings" on page 6-4.*

- 1 Select the item to be displayed in the device list from the [Will Not Display] area, and then click the [Add] button.
- 2 Click the [Apply] button.
The selected item is added to the display items in the device list.

Deleting display items

Items that have been displayed in the device list can be hidden.

- 1 Select the item not to be displayed from the [Will Display] area, and then click the [Delete] button.
- 2 Click the [Apply] button.
The selected item is not displayed in the device list.

Specifying the display order

The order of items to be displayed in the device list can be specified. The order of display items in the device list corresponds to the display order in the [Will Display] area.

- 1 Select the item of which display order is to be changed from the [Will Display] area, and then click the [Up] or [Down] button to specify the display order.
 - Every clicking moves the display order one up or one down.
- 2 Click the [Apply] button.
The order of display items in the device list is changed.

3.1.5 Filtering (narrowing)

Data registered in the device list can be displayed by narrowing data based on the conditions registered in advance.

- 1 From the [Filter] drop-down list, select the filter for narrowing.
- 2 Click the [Display] button.

The screenshot shows the 'Device List' application window. At the top, there are controls for 'View Type' (set to 'Group View'), 'Device Group' (set to 'All Devices'), 'Display Details' (with 'All subgroups' checked), and a 'Filter' dropdown (set to 'Color'). A 'Search Condition' dropdown is set to 'Registered Name' with an empty search box and a 'Display' button. Below these are 'Display Settings' and 'Export' buttons. The main area shows a table with 10 rows of device data. The table has columns for 'Refresh', 'Icon', 'Registered Name', 'Model Name', 'Status', 'IP Address / DNS Host Name', and 'Device Group Name'. The data rows are as follows:

Refresh	Icon	Registered Name	Model Name	Status	IP Address / DNS Host Name	Device Group Name
		Device01/10.128.34.1	Device	Ready	10.128.34.1	OTHER
		Device02/10.128.34.2	Device	Door Open	10.128.34.2	DeviceGrp02
		Device03/10.128.34.3	Device	Door Open	10.128.34.3	DeviceGrp02
		Device04/10.128.34.4	Device	Parts Missing	10.128.34.4	OTHER
		Device05/10.128.34.5	Device	Door Open	10.128.34.5	OTHER
		Device06/10.128.34.6	Device	Door Open	10.128.34.6	DeviceGrp07
		Device07/10.128.34.7	Device	Door Open	10.128.34.7	OTHER
		Device08/10.128.34.8	Device	Door Open	10.128.34.8	OTHER
		Device09/10.128.34.9	Device	Door Open	10.128.34.9	OTHER
		Device10/10.128.34.10	Device	No Response	10.128.34.10	OTHER

3.1.6 Exporting data

The registered information can be stored temporarily by writing device information displayed in the Device List page to a file. The exportable file formats are as follows.

- Excel 97-2003 Workbook format (.xls)
- Excel Workbook format (Office Excel 2007 or later)(.xlsx)
- XML spreadsheet format (XML format that can be read by Excel) (.xml)
- Text format (tab delimited) (.txt)
- CSV format (comma delimited) (.csv)



Reminder

When the filtering function is used, data with filtering results applied is exported.

- 1 On the Device List page, click the [Export] button.

The Export Device List page appears.

- 2 Select the type of file you want to export from the [File format] drop-down list.
 - When specifying a read password for a file to be exported, select the "Set password and export." check box, and enter a password.
 - A password of 1-15 characters can be set for files in the Excel 97-2003 Workbook format (.xls).
 - A password of 1-255 characters can be set for files in the Excel Workbook format (Office Excel 2007 or later) (.xlsx).
 - To clear the entered information, click the [Clear] button.
- 3 Click the [Start Export] button.

The File Download dialog box appears.
- 4 In the File Download dialog box, click the [Save] button.
- 5 Specify the location where the file is to be saved, and then click the [Save] button.

- 6 In the Download complete dialog box, click the [Close] button.
The exported data is saved in the specified location.

**Reminder**

The exported data can be viewed and edited in a spreadsheet application or text editor.

For details on editing the export file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

Editing the exported file

The exported file can be edited and saved in a spreadsheet application.

**Reminder**

To edit and save an XML file in a spreadsheet application, specify the file type to "XML Spreadsheet", and then save it.

For the procedure to edit a tab-delimited text file (.txt) or a comma-delimited CSV file (.csv) in a spreadsheet application, see "Editing a text or CSV file".

Editing a text or CSV file

The following procedure describes how to edit an exported tab-delimited text or comma-delimited CSV file in Microsoft Excel.

- 1 Open the spreadsheet application.
- 2 Click the [Open] button.
- 3 Select the exported file.
 - Select "All Files" or "Text Files" for "Files of Type".
The Text Import Wizard appears.
- 4 Specify the format of data to be delimited, and then the [Next] button.
 - As the data format of the original data, select data separated with delimiters such as a comma and tab.
 - As the line where scanning starts, select "1"
 - Select "UTF-8" as the character code.

- 5 Specify a field delimiter, and then the [Next] button.
 - To edit a text file, select the "Tab" check box in the "Delimiters" section.
 - To edit a CSV file, select the "Comma" check box in the "Delimiters" section.
 - Clear the check box for specifying whether the continuous delimiters are to be handled as one character or not.
 - As quotation marks for a character string, select ""
- 6 Specify the format of the delimited data for the column, and then the [Finish] button.
 - Click the line displayed in the data preview, and then change the data format for the column to "Text".
 - Change the data format for all columns to "Text".The exported file opens.
- 7 Edit the file.
- 8 Save the file.
 - To save the file as a text file, specify the file type to "Text (Tab delimited)", and then save it.
 - To save the file as a CSV file, specify the file type to "CSV (comma delimited)", and then save it.
- 9 Change the file character code to UTF-8.
 - Select "Accessories" - "Notepad" to open the file saved in step 8, and then save it as a new file. Select "UTF-8" as the character code.

3.2 Counter List

On the Counter List page, the number of output copies by color or function for each of the registered devices can be viewed.

In addition, settings can be specified so that the information for the counter list can be saved in a file or sent by e-mail periodically.



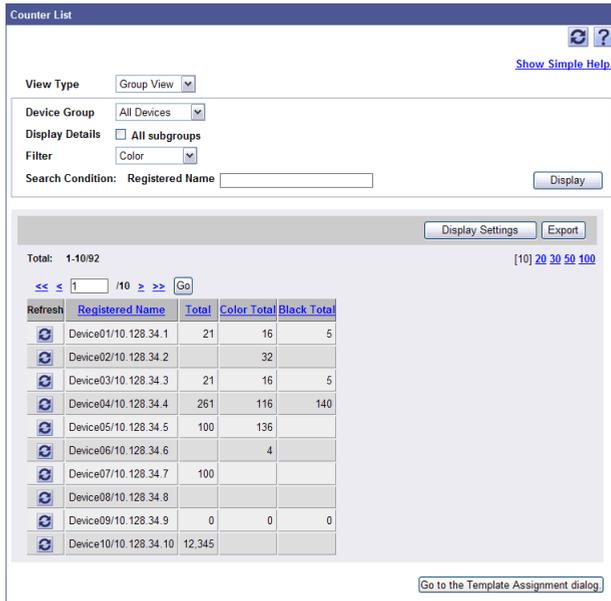
Reminder

Obtainable counters differ depending on the model.

3.2.1 Available operations in the Counter List page

The list of information of the output copies for the registered devices can be viewed.

- On the Top Menu page, click the [Counter List] button.



Function	Details
[Display Settings] button	Click this button to select the items to be displayed in the counter list.
[Export] button	Click this button to export the counter information displayed in the counter list and save it.

Function	Details
Go to the Template Assignment dialog.	Click this button to display the counter template assignment page. For details, contact our service representative.

3.2.2 Displaying the counter list

There are two types of methods to display the counter list: the group view to display devices in each device group specified arbitrary and the subnet view to display devices for each subnet.

Group view

- 1 From the [View Type] drop-down list, select "Group View".
- 2 From the [Device Group] drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
- 3 Click the [Display] button.

A list of devices registered in the selected group appears.

The screenshot shows the 'Counter List' application window. At the top, there are navigation icons and a 'Show Simple Help' link. Below that, the 'View Type' is set to 'Group View'. The 'Device Group' is set to 'All Devices', and the 'Display Details' checkbox for 'All subgroups' is unchecked. The 'Filter' is set to 'Color'. The 'Search Condition' is 'Registered Name' with an empty input field and a 'Display' button. There are 'Display Settings' and 'Export' buttons. The main area shows a table with the following data:

Refresh	Registered Name	Total	Color Total	Black Total
	Device01/10.128.34.1	21	16	5
	Device02/10.128.34.2		32	
	Device03/10.128.34.3	21	16	5
	Device04/10.128.34.4	261	116	140
	Device05/10.128.34.5	100	136	
	Device06/10.128.34.6		4	
	Device07/10.128.34.7	100		
	Device08/10.128.34.8			
	Device09/10.128.34.9	0	0	0
	Device10/10.128.34.10	12,345		

At the bottom of the window, there is a 'Go to the Template Assignment dialog' button.



Note

The device group must be first specified. For details, refer to "Device Group Settings" on page 3-113.

Subnet view

- 1 From the [View Type] drop-down list, select "Subnet View".
- 2 From the [Subnet] drop-down list, select the subnet to be displayed.
 - To display all devices, select "All Devices".
- 3 Click the [Display] button.

A list of devices registered in the selected subnet appears.

The screenshot shows the "Counter List" window. At the top, there are icons for refresh and help, and a link for "Show Simple Help". The "View Type" is set to "Subnet View". The "Subnet" dropdown is set to "All Devices", and the "Filter" is set to "Color". The "Search Condition" is "Registered Name" with an empty input field and a "Display" button. Below the configuration, there are "Display Settings" and "Export" buttons. The main area shows a table with columns: Refresh, Registered Name, Total, Color Total, and Black Total. The table contains 10 rows of device data. At the bottom right, there is a "Go to the Template Assignment dialog" button.

Refresh	Registered Name	Total	Color Total	Black Total
	Device01/10.128.34.1	21	16	5
	Device02/10.128.34.2		32	
	Device03/10.128.34.3	21	16	5
	Device04/10.128.34.4	261	116	140
	Device05/10.128.34.5	100	136	
	Device06/10.128.34.6		4	
	Device07/10.128.34.7	100		
	Device08/10.128.34.8			
	Device09/10.128.34.9	0	0	0
	Device10/10.128.34.10	12,345		



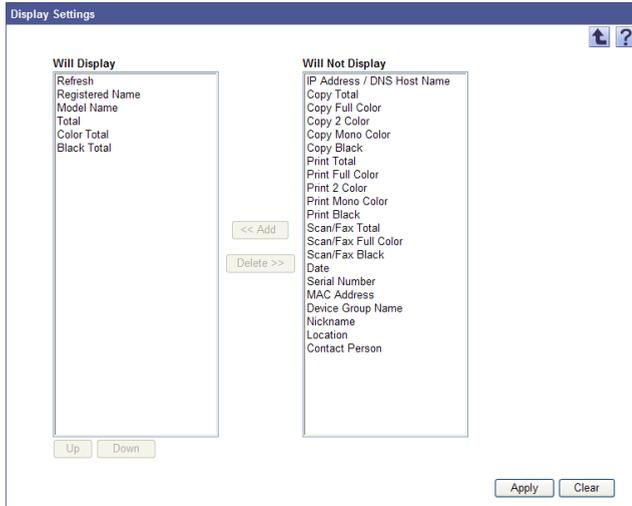
Note

The subnet must be first specified. For details, refer to "Subnet Setting" on page 3-133.

3.2.3 Specifying settings for displaying the counter list

The items to be displayed or hidden in the counter list and display order can be selected.

- On the Counter List page, click the [Display Settings] button to open the Display Settings page.



Function	Details
Will Display	Displays the list of devices to be displayed in the counter list.
Will Not Display	Displays the list of devices not to be displayed in the counter list.
[Add] button	Click this button to move the item selected in the [Will Not Display] area to the bottom of the [Will Display] area to add it to the counter list.
[Delete] button	Click this button to move the item selected in the [Will Display] area to the bottom of the [Will Not Display] area to delete it from the counter list.
[Up] button	Click this button to move up the item selected in the [Will Display] area one line. The display order of the counter list is also placed one higher.
[Down] button	Click this button to move down the item selected in the [Will Display] area one line. The display order of the counter list is also placed one lower.

Adding display items

Display items in the counter list can be added. Settings can be specified for the following parameters.

- Refresh
- Registered Name
- Model Name
- IP Address / DNS Host Name
- Total
- Color Total
- Black Total
- Copy Total
- Copy Full Color
- Copy 2 Color
- Copy Mono Color
- Copy Black
- Print Total
- Print Full Color
- Print 2 Color
- Print Mono Color
- Print Black
- Scan/Fax Total
- Scan/Fax Full Color
- Scan/Fax Black
- Date
- Serial Number
- MAC Address
- Device Group Name
- Nickname
- Location
- Contact Person



...

Note

The registered name must be displayed.

- 1 Select the item to be displayed in the counter list from the [Will Not Display] area, and then click the [Add] button.
- 2 Click the [Apply] button.
The selected item is added to the display items in the counter list.

Deleting display items

Items that have been displayed in the counter list can be hidden.

- 1 Select the item not to be displayed from the [Will Display] area, and then click the [Delete] button.
- 2 Click the [Apply] button.
The selected item is not displayed in the counter list.

Specifying the display order

The order of items to be displayed in the counter list can be specified. The order of display items in the counter list corresponds to the display order in the [Will Display] area.

- 1 Select the item of which display order is to be changed from the [Will Display] area, and then click the [Up] or [Down] button to specify the display order.
 - Every clicking moves the display order one up or one down.
- 2 Click the [Apply] button.
The order of display items in the counter list is changed.

3.2.4 Filtering (narrowing)

The devices to be displayed in the counter list can be narrowed according to the condition registered in advance.

- 1 From the [Filter] drop-down list, select the filter for narrowing.
- 2 Click the [Display] button.



Reminder

Selectable conditions as the filter are the same as those on the Device List page.

Conditions for the filter must be registered on the "Filter Setting" page. For details, refer to "Filter Setting" on page 3-129.

3.2.5 Exporting counter data

Counter information displayed in the Counter List page can be written as a file. Registered information can be temporarily saved.

- 1 On the Counter List page, click the [Export] button.

The Export Counter List page appears.

- 2 Select the type of file you want to export from the [File format] drop-down list.
 - When specifying a read password for a file to be exported, select the "Set password and export." check box, and enter a password.
 - A password of 1-15 characters can be set for files in the Excel 97-2003 Workbook format (.xls).
 - A password of 1-255 characters can be set for files in the Excel Workbook format (Office Excel 2007 or later) (.xlsx).
 - To clear the entered information, click the [Clear] button.
- 3 Click the [Start Export] button.
The File Download dialog box appears.
- 4 In the File Download dialog box, click the [Save] button.
- 5 Specify the location where the file is to be saved, and then click the [Save] button.
- 6 In the Download complete dialog box, click the [Close] button.
The exported data is saved in the specified location.



Reminder

The exported data can be viewed and edited in a spreadsheet application or text editor.

For details on editing the export file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

3.3 Counter Template List

Using a counter template allows you to display the detailed counter of other companies' products in the counter list.

Device Manager uses MIB (Management Information Base) information of SNMP (Simple Network Management Protocol) to total counter data. For the total counter, MIB information is common to all companies; however, for the detailed counter such as a color counter, MIB information varies depending on manufacturers.

To total the detailed counter of another company's product, the customer needs to obtain OID information of Private-MIB from the manufacturer and configure a counter template.

For details on how to operate this function, contact our service representative.

3.4 Sending a counter notification

The information for the counter list can be specified so that it is saved or sent by e-mail periodically. Multiple notification settings can be specified.



Reminder

Counter Information is collected by communicating with a device(s) at the Counter Polling Interval on the Detail Settings page.

3.4.1 Functions available in Counter Notification page

The registered counter notification names are displayed as a list.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Counter Notification] in the menu.



Function	Details
[Add] button	Click this button to add an information notification setting for the counter list.
[Edit] button	Click this button to edit the registered information notification setting.
[Delete] button	Click this button to delete the registered information notification setting.
(Counter notification list)	Displays the list of the registered counter notifications.

3.4.2 Counter notification setting

Specify and register a new counter notification condition.

Registering counter notification

Specify and register a new counter notification condition.

- 1 On the Counter Notification page, click the [Add] button.
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

<Setting Name>

Function	Details
Setting Name	Type in the notification setting name.
File Name	Type in the name of the file to be saved.
File format	<p>Select the type of file to be saved. The following file formats are available.</p> <ul style="list-style-type: none"> • Excel 97-2003 Workbook format (.xls) • Excel Workbook format (Office Excel 2007 or later)(.xlsx) • XML spreadsheet format (XML format that can be read by Excel) (.xml) • Text format (tab delimited) (.txt) • CSV format (comma delimited) (.csv) <p>The character code for the text (tab-delimited) or CSV (comma-delimited) file type is UTF-8.</p>

Function	Details
Password Protection	Select this option to specify a read password for a file to be exported. Select the [Password Protection] check box, and specify a password in [Password]. For confirmation, type in the password again.
Language	Select a language to display a counter notification.
Device Group	Select a device group to issue a counter notification.  . . . Reminder <i>This function can be specified when the user logs on with system administrator's privileges or administrator privileges only for Device List. This cannot be specified when the user logs on with device group manager's privileges.</i>

<Notification Type>

Function	Details
Save to File	Saves counter information in the specified directory at periodic intervals.
Save Directory	Type in a directory where the counter information file is saved.
E-mail Send	Sends counter information to the specified E-mail address as an attached file. If the "Use E-mail Function" check box is cleared in the E-mail Server Settings page of Server Settings, "E-mail Send" is not available.
E-mail Address	Type in an e-mail address to which the counter information file is to be sent. Delimiters used for separating multiple e-mail addresses when sending the file to them are a comma (,) and semicolon (;).
Edit E-Mail Contents	Allows you to edit the subject and text of an E-mail to notify counter information.

<Processing Interval>

Function	Details
Every Month/Every Week/Every Day	Select "Every Month", "Every Week" or "Every Day" as the period for performing the periodic process. After selecting the interval, select the details for the period for performing the periodic process.

Editing E-mail for counter notification

Allows you to edit the subject and text of an E-mail to notify counter information.

- 1 Click the [Edit E-Mail Contents] button in the Add Counter Notification page.
- 2 Specify the necessary settings, and then click the [Apply] button.

Function	Details
Use Standard Template	Select this option to use a fixed phrase.
Edit Template	Select this option to edit a subject or text of an E-mail.
Subject	Enter a subject in the text box, and edit an e-mail.  ... Reminder <i>This function is not available when "Use Standard Template" is selected.</i>
Text	Enter a text in the text box, and edit an e-mail.  ... Reminder <i>This function is not available when "Use Standard Template" is selected.</i>
Preview	Click the [Display] button to display and check the contents of the specified E-mail.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

Editing a template

When "Edit Template" is selected, a fixed phrase to be used in a standard template is displayed in the text box. The fixed phrase that was displayed can be edited freely within the specified number of characters.

In this case, using the pre-determined fixed strings enables you to display information obtained from an Enterprise Suite database in a fixed phrase.

<Fixed strings available for counter notification>

Fixed string	Contents displayed in actual E-mail
%CounterSettingName	The registered data is displayed in "Setting item" of the Add and Set Counter Notification page.

Editing counter notification

Registered counter notification setting conditions can be checked and edited.

- 1 On the Counter Notification page, click the [Edit] button.
- 2 Specify an item to be changed, and click the [Apply] button.

**Reminder**

For details on the settings, refer to "Registering counter notification" on page 3-27.

Deleting counter notification

Registered counter notification can be deleted.

- 1** On the Counter Notification page, select the counter notification to be deleted, and then click the [Delete] button.
- 2** Check the message that appears, and then click the [OK] button to delete the template.
The counter notification is deleted.

3.5 Multi-Setting

Using the settings for a registered device, a template for set data can be created. Using the created template, device data can be specified for multiple devices collectively.



Reminder

The created template can also be used as a backup of the set data.

3.5.1 Using Multi-Setting

Follow the steps below to specify settings for multiple devices collectively.

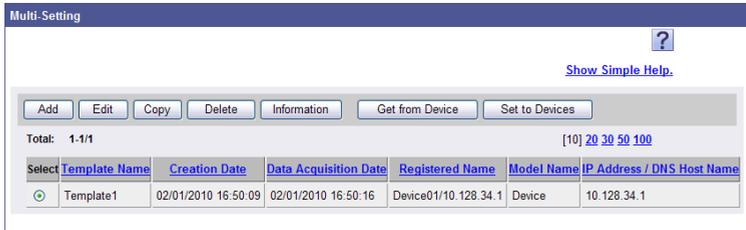
For details on the operation, refer to respective pages.

- 1** Create an empty template to be used for specifying settings for multiple devices collectively.
 - On the Multi-Setting page, click the [Add] button.
 - For details, refer to "Specifying items for the template" on page 3-34.
- 2** Import the settings from a device to the empty template.
 - On the Multi-Setting page, select the template, and then click the [Get from Device] button.
 - For details, refer to "Importing device data to the template" on page 3-35.
- 3** Copy the settings imported to the template to a different device.
 - On the Multi-Setting page, select the template, and then click the [Set to Devices] button.
 - For details, refer to "Copying the template information to the devices" on page 3-37.

3.5.2 Available operations in the Multi-Setting page

The list of registered templates can be viewed.

- On the Top Menu page, click the [Multi-Setting] button.



Function	Details
[Add] button	Click this button to register a new template.
[Edit] button	Click this button to change the settings for a registered template.
[Copy] button	Click this button to copy a registered template.
[Delete] button	Click this button to delete a registered template.
[Information] button	Click this button to display the settings for a registered template.
[Get from Device] button	Click this button to extract the settings for a registered device to register them in the template.
[Set to Devices] button	Click this button to set the template data containing the settings to the devices.
(Template list)	Displays the list of registered templates.

3.5.3 Specifying items for the template

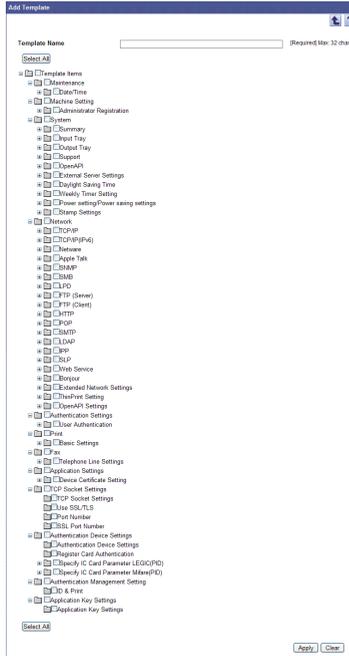
A form of a new template can be created by selecting items to be specified for multi-setting.



Reminder

Setting items for the added new template are blank. Settings for the template can be imported from a registered device using the [Get from Device] button. For details, refer to "Importing device data to the template" on page 3-35.

- 1 On the Multi-Setting page, click the [Add] button.
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.



Function	Details
Template Name	Type in the template name.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
(Setting item tree)	From the displayed setting items, select setting items to be specified for the multi-setting process.

3.5.4 Importing device data to the template

The setting data for the registered device is imported to the created template to complete the template.

- 1 On the Multi-Setting page, select the template, and then click the [Get from Device] button.

The Get Device Data page appears.

- 2 From the [Device Group] drop-down list, select the device group to be displayed.

- To display all devices, select "All Devices".
- Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

- 3 Click the [Display] button.

A list of devices registered in the selected group appears.

The screenshot shows the 'Get Device Data' window. At the top, there is a 'Template Name' field with the value 'Template'. Below it, the 'Device Group' is set to 'All Devices'. The 'Display Details' section has a checkbox for 'All subgroups' which is unchecked. The 'Search Condition' is set to 'Registered Name' and there is an empty text box for the search criteria. A 'Display' button is located to the right of the search box. Below the search area, it shows 'Total: 1-10/113' and a pagination control with '[10] 20 30 50 100'. A search bar contains '<< < | > >> /12 >>' and a 'Go' button. The main area is a table with the following data:

Select	Registered Name	Model Name	IP Address / DNS Host Name
<input checked="" type="radio"/>	Device01/10.128.34.1	Device	10.128.34.1
<input type="radio"/>	Device02/10.128.34.2	Device	10.128.34.2
<input type="radio"/>	Device03/10.128.34.3	Device	10.128.34.3
<input type="radio"/>	Device04/10.128.34.4	Device	10.128.34.4
<input type="radio"/>	Device05/10.128.34.5	Device	10.128.34.5
<input type="radio"/>	Device06/10.128.34.6	Device	10.128.34.6
<input type="radio"/>	Device07/10.128.34.7	Device	10.128.34.7
<input type="radio"/>	Device08/10.128.34.8	Device	10.128.34.8
<input type="radio"/>	Device09/10.128.34.9	Device	10.128.34.9
<input type="radio"/>	Device10/10.128.34.10	Device	10.128.34.10

A 'Get from Device' button is located at the bottom right of the window.

- 4 Select the device for which settings to be used for the template are registered, and then click the [Get from Device] button.

The result of the operation to obtain the device data appears.



Reminder

For details on the result page, refer to "Checking the result of the operation to obtain the device data" on page 3-36.

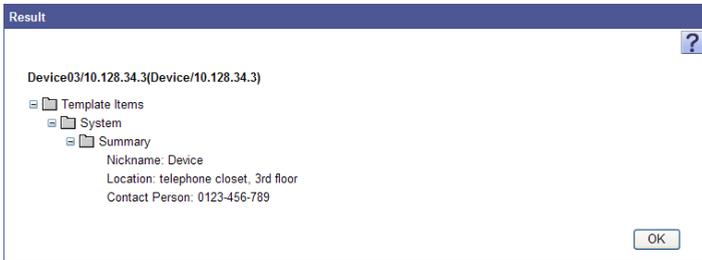


Note

If "SNMP Write Settings" and "OpenAPI" are not correctly specified in the Device Information Settings page, the [Get from Device] button is disabled.

Checking the result of the operation to obtain the device data

The result of the operation to obtain the device data can be checked. Check the details, and then click the [OK] button.



Function	Details
Registered Name	Displays the registered name for the device data acquisition source device.
(Result tree)	Displays the result of the operation to obtain the device data. If data has been obtained correctly, that data is displayed.  Note <i>For setting items that are not supported by the device, "Not Supported" is displayed.</i>

3.5.5 Copying the template information to the devices

The registered template information is specified for multiple devices collectively.



Note

Any template information that is not from the device cannot be registered to the devices.

- 1 On the Multi-Setting page, select the template, and then click the [Set to Devices] button.

The Set Device Data page appears.

- 2 From the [Device Group] drop-down list, select the device group to be displayed.

- To display all devices, select "All Devices".
- Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

- 3 Click the [Display] button.

A list of devices registered in the selected group appears.

Set Device Data ↶ ?

Template Name:

Device Group:

Display Details: All subgroups

Search Condition:

Total: 1-10/113 [10] 20 30 50 100

<< < 1 /12 > >> [Go]

Select	Registered Name	Model Name	IP Address / DNS Host Name
<input type="checkbox"/>	Device01/10.128.34.1	Device	10.128.34.1
<input type="checkbox"/>	Device02/10.128.34.2	Device	10.128.34.2
<input type="checkbox"/>	Device03/10.128.34.3	Device	10.128.34.3
<input type="checkbox"/>	Device04/10.128.34.4	Device	10.128.34.4
<input type="checkbox"/>	Device05/10.128.34.5	Device	10.128.34.5
<input type="checkbox"/>	Device06/10.128.34.6	Device	10.128.34.6
<input type="checkbox"/>	Device07/10.128.34.7	Device	10.128.34.7
<input type="checkbox"/>	Device08/10.128.34.8	Device	10.128.34.8
<input type="checkbox"/>	Device09/10.128.34.9	Device	10.128.34.9
<input checked="" type="checkbox"/>	Device10/10.128.34.10	Device	10.128.34.10

- 4 Select the check box beside the devices to which the template data is to be applied, and then click the [Set to Devices] button.
- To select all devices, click the [Select All] button.
 - If the template contains setting items that require the devices to be restarted, a confirmation dialog box asking the user whether to restart the devices appears.
- The result of the operation to specify the device data is displayed.



...

Note

If "SNMP Write Settings" and "OpenAPI Setting" are not correctly specified on the Device Information Settings page, the "Set to Devices" button is disabled.

If there are too many devices, it may take time to configure device data settings.



...

Reminder

For details on the result page, refer to "Checking the result of the operation to specify the device data" on page 3-39.

Checking the result of the operation to specify the device data

The result of the operation to specify the device data can be checked. Check the details, and then click the [OK] button.



Function	Details
Registered Name	Displays the registered name for the device to which the device data has been specified.
(Result tree)	<p>Displays the result of the operation to specify the device data collectively.</p> <p>If data has been specified correctly, that data is displayed. If data has not been specified, "Timeout" is displayed.</p> <p> ...</p> <p>Note <i>For setting items that are not supported by the device, "Not Supported" is displayed.</i></p>

3.5.6 Editing items for the template

The template can be edited by calling the registered template, and then overwriting the setting items, or copying the registered template to modify the setting items.

Editing the registered template

The registered template can be called to change the setting items.

- 1 On the Multi-Setting page, select the template to be edited, and then click the [Edit] button.

The Edit Template page appears.

- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.



Reminder

After editing the template, refresh the settings for the template by obtaining the device data.

Editing the template by copying

The settings can be edited by copying the registered template. Using the already registered template, an additional template with different settings can be created.

- 1 On the Multi-Setting page, select the template, and then click the [Copy] button.

The Edit Template page appears.

- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.



Reminder

After copying and editing the template, refresh the settings for the template by obtaining the device data.

3.5.7 Checking the information for the registered template

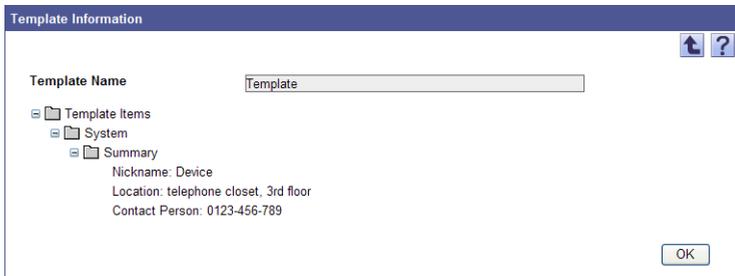
The settings of the registered template can be checked.



Note

Any template information that is not from the device cannot be checked.

- 1 In the template list on the Multi-Setting page, select the template of which settings are to be checked, and then click the [Information] button.
- 2 Check the details, and then click the [OK] button.



Function	Details
Template Name	Displays the template name.
(Setting item tree)	Displays the settings.

3.6 Sending a device status notification

Change in the device status such as error occurrence, error recovery, or the remaining amount of consumables can be notified by e-mail. Multiple status notification settings can be specified.



Reminder

Target devices of status notification vary depending on the Administrator privileges of the login user.

If the device group manager has registered the status notification settings, only the device groups with the Administrator privileges are targeted for status notification.

Communications to a device is performed at the Status Polling Interval on the Detail Settings page. When a status change occurs, E-mail notification will be sent immediately.

3.6.1 Available operations in the Device Status Notification page

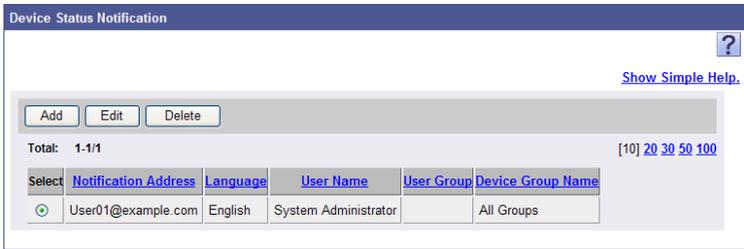
The list of registered status notification settings can be viewed.



Note

If no E-mail server setting is configured in Server Settings, "Device Status Notification" is not available. For details, refer to "E-mail Server Settings" on page 6-2.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Device Status Notification] in the menu.



Function	Details
[Add] button	Click this button to register a new device status notification setting.
[Edit] button	Click this button to change a registered device status notification setting.
[Delete] button	Click this button to delete a registered device status notification setting.
(Device status notification list)	Displays the list of the registered device status notifications.

3.6.2 Specifying the device status notification

Conditions for E-mail notification and destination e-mail address can be registered and edited.

Registering the device status notification

A new device status notification setting can be registered.

- 1 On the Device Status Notification page, click the [Add] button.
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To cancel the selected settings, click the [Clear] button.

Device Status Notification

Notification Setting

E-mail Address (Required) Max: 255 chars

E-mail Language

Device Group

Devices included in one notification e-mail One e-mail for all devices
 One e-mail per device

Status to Notify

Error

Fatal Error (*)
 Paper Jam
 Toner Empty
 Paper Empty
 Output Full
 Door Open
 Off Line
 Parts Missing
 Other Errors

Warning

Toner Low
 Low Paper
 Output Near Full
 Overdue Prevent Maintenance
 Other Warnings

Other

Power Save (*)
 No Response
 (*) It is not available in some models.

Recovery to Notify

Error

Fatal Error (*)
 Paper Jam
 Toner Empty
 Paper Empty
 Output Full
 Door Open
 Off Line
 Parts Missing
 Other Errors

Warning

Toner Low
 Low Paper
 Output Near Full
 Overdue Prevent Maintenance
 Other Warnings

Other

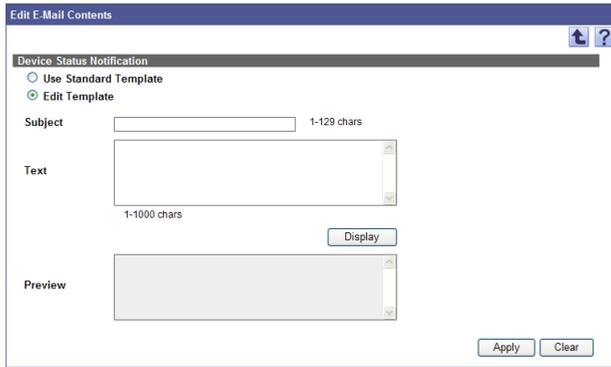
Power Save (*)
 No Response
 (*) It is not available in some models.

Function	Details
E-mail Address	Type in the e-mail address of the person to be notified. Delimiters used for separating multiple e-mail addresses when sending the file to them are a comma (,) and semicolon (;).
E-mail Language	Select the language that the status notification destination e-mail address appears in.
Device Group	<p>Select a device group to issue a device status notification.</p> <p> . . .</p> <p>Reminder <i>This function can be specified when the user logs on with system administrator's privileges or administrator privileges only for Device List. This cannot be specified when the user logs on with device group manager's privileges.</i></p>
Devices included in one notification e-mail	When collectively sending status information of the target device, select "One e-mail for all devices". When sending a status notification by device, select "One e-mail per device".
Edit E-Mail Contents	Allows you to edit the subject and text of an E-mail to notify device status information.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
Status to Notify	Sends an e-mail when the device status is changed to the selected status.
Recovery to Notify	Sends an e-mail when the device status is recovered from the selected status.

Editing E-mail for device status notification

Allows you to edit the subject and text of an E-mail to notify device status information.

- 1 Click the [Edit E-Mail Contents] button in the Add Device Status Notification page.
- 2 Specify the necessary settings, and then click the [Apply] button.



Function	Details
Use Standard Template	Select this option to use a fixed phrase.
Edit Template	Select this option to edit a subject or text of an E-mail.
Subject	Enter a subject in the text box, and edit an e-mail.  ... Reminder <i>This function is not available when "Use Standard Template" is selected.</i>
Text	Enter a text in the text box, and edit an e-mail.  ... Reminder <i>This function is not available when "Use Standard Template" is selected.</i>
Preview	Click the [Display] button to display and check the contents of the specified E-mail.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

Editing a template

When "Edit Template" is selected, a fixed phrase to be used in a standard template is displayed in the text box. The fixed phrase that was displayed can be edited freely within the specified number of characters.

In this case, using the pre-determined fixed strings enables you to display information obtained from an Enterprise Suite database in a fixed phrase.

<Fixed strings available for device status notification>

Fixed string	Contents displayed in actual E-mail
%RegisterdName	Displays the data registered in "Registered Name" of the device list.
%ModelName	Displays the data registered in "Model Name" of the device list.
%SerialNumber	Displays the data registered in "Serial Number" of the device list.
%IPAddress/DNSHostName	Displays the data registered in "Registered Name" of the device list.
%MACAddress	Displays the data registered in "MAC Address" of the device list.
%DeviceGroupName	Displays the data registered in "Device Group Name" of the device list.
%SystemName	Displays the data registered in "Nickname" of the device list.
%SystemLocation	Displays the data registered in "Location" of the device list.
%SystemContact	Displays the data registered in "Contact Person" of the device list.
%ErrorStatus	Displays an error type when an error has occurred in the device.
%RecoveryStatus	Displays the type of an error from which the device was recovered.
%CaptionSystemName	Displays the data registered in "System Name" of the Display Settings page for Server Settings.
%CaptionSystemLocation	Displays the data registered in "System Location" of the Display Settings page for Server Settings.
%CaptionSystemContact	Displays the data registered in "System Contact" of the Display Settings page for Server Settings.
%RepetitionStart*	Available when repeatedly using the contents of a template by the number of devices that are targeted for status notification. Enter this string in the beginning part of the contents to be repeated.
%RepetitionEnd*	Available when repeatedly using the contents of a template by the number of devices that are targeted for status notification. Enter this string in the ending part of the contents to be repeated.

**Reminder**

The fixed strings above are available only in the text of an E-mail when "One e-mail for all devices" is selected in Notification Setting of the Device Status Notification page. They are not available for subject.

The fixed strings marked by an asterisk () are not available when "One e-mail per device" is selected in Notification Setting of the Device Status Notification page.*

Editing the device status notification

Conditions for the registered device status notification can be viewed and edited.

- 1 On the Device Status Notification page, click the [Edit] button.
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To cancel all the selected settings, click the [Clear] button.

Device Status Notification

Notification Setting

E-mail Address: [Required] Max: 255 chars

E-mail Language: ▼

Device Group: ▼

Devices included in one notification e-mail: One e-mail for all devices
 One e-mail per device

Status to Notify

Error

Fatal Error (*)
 Paper Jam
 Toner Empty
 Paper Empty
 Output Full
 Door Open
 Off Line
 Parts Missing
 Other Errors

Warning

Toner Low
 Low Paper
 Output Near Full
 Overdue Prevent Maintenance
 Other Warnings

Other

Power Save (*)
 No Response
 (*) It is not available in some models.

Recovery to Notify

Error

Fatal Error (*)
 Paper Jam
 Toner Empty
 Paper Empty
 Output Full
 Door Open
 Off Line
 Parts Missing
 Other Errors

Warning

Toner Low
 Low Paper
 Output Near Full
 Overdue Prevent Maintenance
 Other Warnings

Other

Power Save (*)
 No Response
 (*) It is not available in some models.



Reminder

For details on the settings, refer to "Registering the device status notification" on page 3-45.

**Reminder**

A device group manager can edit only the status notifications targeted for the device groups for which the device group manager has the Administrator privileges.

Deleting a device status notification

Click this button to delete a registered device status.

- 1** On the Device Status Notification page, select the device status to be deleted, and then click the [Delete] button.
- 2** Check the message that appears, and then click the [OK] button to delete the template.

The selected device status notification is deleted.

**Reminder**

A device group manager can delete only the status notifications targeted for the device groups for which the device group manager has the Administrator privileges.

3.7 Multi-Setting of Administrator Password

The administrator password can be set collectively for multiple devices. During the multi-setting process of the administrator password, you can check whether the same password has been used.

3.7.1 Multi-setting of administrator password

The administrator password can be specified collectively for multiple devices.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Admin. Password Multi-Setting] in the menu.
 - Only the devices that are registered to the selected device group and for which the administrator password can be specified collectively will be displayed in the list.
 - To specify the administrator password collectively, special firmware must be installed on the devices. For details, contact our service representative.

Admin. Password Multi-Setting

[Show Simple Help](#)

Admin. Password

Password Max: 64 chars

Retype Password Max: 64 chars

Minimum number of passwords changes before using an old password. (0-9)

Select device to apply the settings to

Device Group:

Display Details: All subgroups

Search Condition:

Administrator password reminder setting

Total: 1/10/47 [10] 20 30 80 100

Select	Registered Name	Model Name	Date Updated	Serial Number	IP Address / DNS Host Name	Device Group Name	Nickname	Location	Contact Person
<input type="checkbox"/>	Device01/10.128.34.1	Device01		0000000000001	10.128.34.1	OTHER			
<input type="checkbox"/>	Device02/10.128.34.2	Device02		0000000000002	10.128.34.2	OTHER			
<input type="checkbox"/>	Device03/10.128.34.3	Device03		0000000000003	10.128.34.3	OTHER			
<input type="checkbox"/>	Device04/10.128.34.4	Device04		0000000000004	10.128.34.4	OTHER			
<input type="checkbox"/>	Device05/10.128.34.5	Device05		0000000000005	10.128.34.5	OTHER			
<input type="checkbox"/>	Device06/10.128.34.6	Device06		0000000000006	10.128.34.6	OTHER			
<input type="checkbox"/>	Device07/10.128.34.7	Device07		0000000000007	10.128.34.7	OTHER			
<input type="checkbox"/>	Device08/10.128.34.8	Device08		0000000000008	10.128.34.8	OTHER			
<input type="checkbox"/>	Device09/10.128.34.9	Device09		0000000000009	10.128.34.9	OTHER			
<input type="checkbox"/>	Device10/10.128.34.10	Device10		0000000000010	10.128.34.10	OTHER			

<Admin.Password>

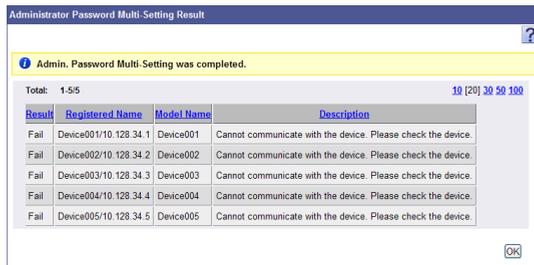
Function	Details
Password	Type in the password.
Retype Password	Type in the password again.
Minimum number of passwords changes before using an old password.	Select the number of passwords to be checked among the passwords collectively set for multiple devices in the past.

<Select device to apply the settings to>

Function	Details
Device Group	Narrow the devices to be displayed.
All subgroups	Select whether to only display devices that directly belong to the selected group, or to display all devices including those in subgroups.
Search Condition	When a list is displayed in the page, the listed items can be narrowed.
Display	Apply the change in "Device Group" and "All subgroups".

3.7.2 The result of administrator password multi-setting

The result of the administrator password multi-setting can be displayed.



Function	Details
Administrator Password Multi-Setting Result	Displays the result of the administrator password multi-setting.
Result	Displays the result after the administrator password has been applied to the device.
Registered Name	Displays the registered name of the device.
Model Name	Displays the model name of the device.
Description	Displays the result after the administrator password has been applied to the device.

3.7.3 Configuration Reminder

Configure settings to send an E-mail (reminder) that prompts you to change the administrator password at periodic intervals.

Sending a reminder prevents users from forgetting to update the administrator password, thus enhancing security.

- ➔ Click the [Configuration Reminder] button in the Admin. Password Multi-Setting page.

<Processing Interval>

Function	Details
Every Year, Every Month, Every Week	Select the interval to send reminders from the following: Every Year, Every Month, or Every Week. After selecting the interval, select the details for the period in order to perform the periodic process.

<Notification Destination>

Function	Details
E-mail Address	Specify an E-mail address to send a reminder to. When simultaneously sending an E-mail to multiple addresses, insert a comma (,) or semicolon (;) between them as a delimiter.
Language	Select a language to be used in the main body of an E-mail.

3.8 Setting for Sending IC Card Info

When IC card authentication is being performed on a device, some IC card authentication devices require that a configuration file be sent to the device.

For details about configuration files, contact our service representative.

3.8.1 Available operations in the Setting for Sending IC Card Info page

Send a configuration file of an IC card authentication device to the device.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Setting for Sending IC Card Info] in the menu.
- 3 Enter the information necessary to send the configuration file in "IC card information".
 - "Configuration File": Type in the file path to the configuration file. The file path can also be specified by clicking the [Browse] button.
 - "Encryption Password": Enter the password specified for the configuration file.
- 4 Select a device group to be displayed from the [Device Group] drop-down list.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices including those in subordinate groups.
 - Specifying search conditions can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

5 Click the [Display] button.

A list of devices registered in the selected group appears.

Setting for Sending IC Card Info

[Show Simple Help.](#)

IC card information

Configuration File

Encryption Password Max: 32 chars

Device Selection

Device Group

Display Details All subgroups

Search Condition:

Total: 1-10/10 [10] 20 30 50 100

Select	Registered Name	Model Name	Serial Number	IP Address / DNS Host Name	Device Group Name
<input type="checkbox"/>	Device/10.128.34.40	Device	1	10.128.34.40	OTHER
<input type="checkbox"/>	Device/10.128.34.41	Device	1	10.128.34.41	OTHER
<input type="checkbox"/>	Device/10.128.34.42	Device	1	10.128.34.42	OTHER
<input type="checkbox"/>	Device/10.128.34.43	Device	1	10.128.34.43	OTHER
<input type="checkbox"/>	Device/10.128.34.44	Device	1	10.128.34.44	OTHER
<input type="checkbox"/>	Device/10.128.34.45	Device	1	10.128.34.45	OTHER
<input type="checkbox"/>	Device/10.128.34.46	Device	1	10.128.34.46	OTHER
<input type="checkbox"/>	Device/10.128.34.47	Device	1	10.128.34.47	OTHER
<input type="checkbox"/>	Device/10.128.34.48	Device	1	10.128.34.48	OTHER
<input type="checkbox"/>	Device/10.128.34.49	Device	1	10.128.34.49	OTHER

6 Select the device to send the configuration file to and click the [Send to Device] button.

The configuration file is sent to the selected device.



Reminder

For details on the result page, refer to "Checking the Result of Sending IC Card Info" on page 3-57.

3.8.2 Checking the Result of Sending IC Card Info

The result of a configuration file transmission can be checked. Check the details, and then click the [OK] button.



Function	Details
Result	<p>Displays whether the configuration file transmission was successfully completed.</p> <p>The result is shown as follows.</p> <ul style="list-style-type: none"> • "Success": The configuration file transmission was successfully completed. • "Error": An error occurred and the configuration file was not sent to the device.
Registered Name	Displays the registered name of the device.
Model Name	Displays the model name of the device.
Description	Displays the details of the error if the configuration file was not sent successfully.

3.9 Device Auto Discovery

MFPs and printers in the network can be automatically searched for and registered in the device list.

Not only immediate search, but also automatic periodic search can be specified for the search schedule.

If the search schedule function is enabled, the device data is automatically registered in the device list when a new device is registered.

3.9.1 Available operations in the Device Auto Discovery page

The automatic search is available for devices managed by the Device Manager.

SNMP settings for automatically searching for devices and search conditions such as a search range can be specified.

→ On the Top Menu page, click the [Device Auto Discovery] button.

Device Auto Discovery
↻ ?

[Show Simple Help.](#)

Search Schedule

Last Search End Time

Number of device(s) found devices

Search Now

No search
 Monthly
 Weekly
 Daily

Search Method

SNMP Broadcast Discovery (IPv4)
Total: 1.1/1 [\[5\] 10 15 25 50](#)

Select	Broadcast Address	Add	Delete
<input type="checkbox"/>	255.255.255.255		

SNMP Unicast Discovery (IPv4)
Unicast data does not exist.

SNMP Multicast Discovery (IPv6)
Multicast data does not exist.

SNMP Settings

SNMPv1 Settings

Total: 1.1/1 [\[5\] 10 15 25 50](#)

Select	Community Name	Port Number	Add	Delete
<input type="checkbox"/>	public	161		

SNMPv3 Settings
SNMPv3 Settings data does not exist.

Detail Settings

Register only application-supported devices.

<Search Schedule>

Function	Details
Last Search End Time	Displays the date and time when the previous search was performed.
Number of device(s) found	Displays the number of devices that were newly detected in the previous search process.
Search Status	Allows you to check the searching progress with the progress bar. After the search process has finished, the number of checked devices is displayed in "Number of device(s) found".
Search Now	To perform a search immediately, click the [Start Search] button. Click the [Stop] button during searching to stop searching.
Monthly/Weekly/Daily	Specify the schedule for automatically performing periodic searches. Monthly: Specify the date and time. Weekly: Specify the day and time. Daily: Specify the time.  . . . Reminder <i>If "31st" is selected for "Monthly", the process is performed at the end of the month in months that do not have 31 days (for example April 30).</i>

<Search Method>

Function	Details
[Import] button	Click this button to import and register Device Auto Discovery setting data that is saved in a file in advance. The following settings can be imported. <ul style="list-style-type: none"> • SNMP Broadcast Discovery • SNMP Unicast Discovery • SNMP Multicast Discovery
[Export] button	Click this button to export the currently registered Device Auto Discovery setting to a file and save it. The following settings are saved. <ul style="list-style-type: none"> • SNMP Broadcast Discovery • SNMP Unicast Discovery • SNMP Multicast Discovery

Function	Details
SNMP Broadcast Discovery	<p>Devices can be searched for with a broadcast transmission. The search can be performed quickly, but devices incompatible with broadcasting cannot be found. Using all added (specified) settings, broadcast discovery is performed. Broadcast addresses can be added or deleted. To delete an IP address, select the check box for the setting to be deleted.</p> <p>For details on adding broadcast addresses, refer to "Adding an SNMP broadcast discovery" on page 3-61.</p> <p>For details on deleting broadcast addresses, refer to "Deleting settings" on page 3-66.</p>
SNMP Unicast Discovery	<p>A search can be performed by sending an SNMP request to all addresses within the search range. This search is not performed quickly, but it is performed accurately. Using all added (specified) settings, unicast discovery is performed. IP address ranges can be added or deleted. To delete an IP address, select the check box for the setting to be deleted.</p> <p>For details on adding an IP address, refer to "Adding an SNMP unicast discovery" on page 3-63.</p> <p>For details on deleting an IP address, refer to "Deleting settings" on page 3-66.</p>
SNMP Multicast Discovery	<p>A search can be performed by sending an SNMP request to all addresses belonging to the multicast group. Load to the network can be reduced, but the router being used must support the IPv6 multicast. Using all added (specified) settings, multicast discovery is performed. Multicast addresses can be added or deleted. To delete an IP address, select the check box for the setting to be deleted.</p> <p>For details on adding multicast addresses, refer to "Adding an SNMP multicast discovery" on page 3-64.</p> <p>For details on deleting multicast addresses, refer to "Deleting settings" on page 3-66.</p>

<SNMP Settings>

Function	Details
SNMPv1 Settings	<p>Specify the settings (community name and port number) to be used with the SNMPv1 protocol during an SNMP broadcast discovery/SNMP unicast discovery/SNMP multicast discovery. Using all added (specified) settings, discovery is performed. SNMPv1 settings can be added or deleted. To delete an IP address, select the check box for the setting to be deleted.</p> <p>For details on adding settings, refer to "Adding SNMPv1 settings" on page 3-65.</p> <p>For details on deleting settings, refer to "Deleting settings" on page 3-66.</p>

Function	Details
SNMPv3 Settings	Specify the settings (user name, context name, and port number) to be used with the SNMPv3 protocol during an SNMP broadcast discovery/SNMP unicast discovery/SNMP multicast discovery. Using all added (specified) settings, discovery is performed. SNMPv3 settings can be added or deleted. To delete an IP address, select the check box for the setting to be deleted. For details on adding settings, refer to "Adding SNMPv3 settings" on page 3-66. For details on deleting settings, refer to "Deleting settings" on page 3-66.

<Detail Settings>

Function	Details
Register only application-supported devices.	Select this check box to register only our supported ones of the searched devices in the device list.

3.9.2 Specifying a network search range

To search for devices, the SNMP broadcast discovery, SNMP unicast discovery, or SNMP multicast discovery can be specified. Specify a search range depending on each search method.

Adding an SNMP broadcast discovery

Specify the broadcast address used for the SNMP broadcast discovery.

- 1 Click the [Add] button for "SNMP Broadcast Discovery".
- 2 Select a setting method.
 - [Specify Broadcast Address]: Directly type in the broadcast address.
 - [Specify Subnet]: Type in the network address and subnet mask. The broadcast address is automatically calculated from the typed in address.

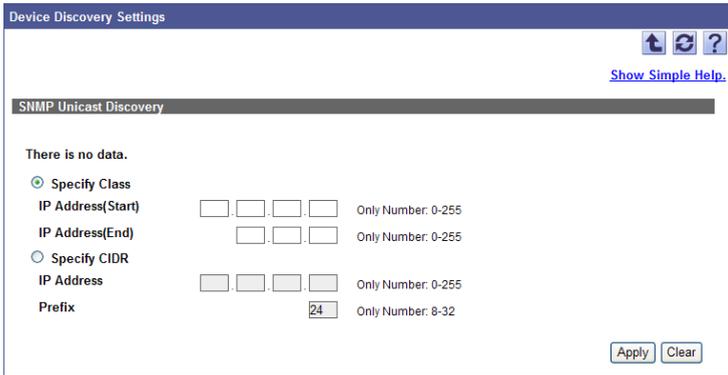
- 3 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Function	Details
Specify Broadcast Address	In the format "xxx.xxx.xxx.xxx", type in the broadcast address to be searched for.
Specify Subnet	<p>From the specified network address and subnet mask, the broadcast address is automatically calculated and registered.</p> <p> ...</p> <p>Reminder <i>To automatically register the subnet information, specify the search range here.</i></p> <p><i>For details, refer to "Specifying subnet settings" on page 3-134.</i></p>
Network Address	Type in the network address.
Subnet Mask	Type in the subnet mask.
Description	Type in a description of the subnet.

Adding an SNMP unicast discovery

Specify the IP address range to be used in the SNMP unicast discovery.

- 1 Click the [Add] button for "SNMP Unicast Discovery".
- 2 Select a setting method.
 - [Specify Class]: Directly type in the IP address to start the search and IP address to end the search.
 - [Specify CIDR]: Type in the IP address to start the search and prefix in the CIDR format. The IP address to end the search is automatically calculated from the entered prefix.
- 3 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.



Function		Details
Specify Class		Directly type in the IP addresses for the search range.
	IP Address (Start)	In the format "xxx.xxx.xxx.xxx", type in the IP address to start the search.
	IP Address (End)	In the format "xxx.xxx.xxx", type in the IP address to end the search. Type in an IP address higher than that entered for "IP Address (Start)".
Specify CIDR		From the specified IP addresses and prefix, the IP address to start the search and IP address to end the search are automatically calculated and registered.
	IP Address	In the format "xxx.xxx.xxx.xxx", type in the IP address to start the search.
	Prefix	Type in the prefix in the CIDR format. The default is "24".



Reminder

If the search range is large, it takes a long time for searching.

Although it depends on the computer and network environment, or SNMP settings (SNMP settings on the Detail Settings page for Device List and SNMP settings for Device Auto Discovery for Device List), approximate searching time is as follows.

Example 1) When specifying the following settings for "Specify Class":

IP Address(Start) = 10.128.0.0

IP Address(End) = 10.129.255.255

Time required for search: Approx. 1 hour

Example 2) When specifying the following settings for "Specify Class":

IP Address(Start) = 10. 0. 0. 0

IP Address(End) = 10.255.255.255

Time required for search: Approx. 300 hours

Example 3) When specifying the following settings for "Specify CIDR":

IP Address = 10. 0. 0. 0

Prefix = 15

Time required for search: Approx. 1 hours

Example 4) When specifying the following settings for "Specify CIDR":

IP Address = 10. 0. 0. 0

Prefix = 8

Time required for search: Approx. 300 hours

Adding an SNMP multicast discovery

Type in the multicast address used for the SNMP multicast discovery.

- 1 Click the [Add] button for "SNMP Multicast Discovery".
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Function	Details
Multicast Address	In the IPv6 format, type in the multicast address.

3.9.3 Specifying a SNMP setting

SNMPv1 or SNMPv3 when searching for a device can be specified.



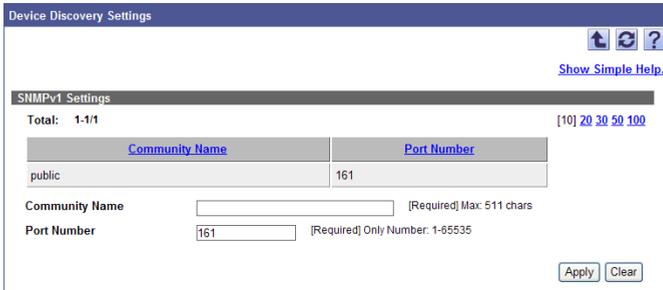
Reminder

Settings for timeout and the number of retry operations for searching for a device can be specified on the Detail Settings page. For details, refer to "Detail Settings" on page 3-141.

Adding SNMPv1 settings

Specify the settings to be used with the SNMPv1 protocol during an SNMP broadcast discovery/SNMP unicast discovery/SNMP multicast discovery.

- 1 Click the [Add] button for "SNMPv1".
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.



Function	Details
Community Name	Type in the Read community name.
Port Number	Type in the port number. The default is "161".

Adding SNMPv3 settings

Specify the settings to be used with the SNMPv3 protocol during an SNMP broadcast discovery/SNMP unicast discovery/SNMP multicast discovery.

- 1 Click the [Add] button for "SNMPv3".
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Function	Details
User Name	Type in the user name.
Context Name	Type in the context name.
Port Number	Type in the port number. The default is "161".



Note

The security level is "NoAuth/NoPriv" that cannot be changed.

3.9.4 Deleting settings

Follow the procedure described below to delete settings from the following sections.

- SNMP Broadcast Discovery
- SNMP Unicast Discovery
- SNMP Multicast Discovery
- SNMPv1 Settings
- SNMPv3 Settings

- 1 Clear the check box for the settings to be deleted, and then click the [Delete] button.
- 2 Check the message that appears, and then click the [OK] button to delete the template.

The selected settings are deleted.

3.9.5 Automatically searching for the devices

The devices managed by the Device Manager can be automatically searched for and registered in the device list. The devices can be automatically searched for immediately or periodically on a specified date and time.



Reminder

To automatically search for the devices, SNMP settings and a search method must be first specified. For details, refer to "Specifying a network search range" on page 3-61 and "Specifying a SNMP setting" on page 3-65.

Searching for the devices immediately

This function is useful when registering the devices in the Device Manager for the first time or when bringing the device list data up to date.

- Click the [Start Search] button for "Search Schedule".

The screenshot shows the 'Device Auto Discovery' window. The title bar is 'Device Auto Discovery' with a refresh icon and a help icon. Below the title bar is a 'Show Simple Help.' link. The main content area is titled 'Search Schedule' and contains the following fields and controls:

Last Search End Time	01/05/2010 13:50:57
Number of device(s) found	2 devices
Search Now	<input type="button" value="Start Search"/>
<input checked="" type="radio"/> No search	
<input type="radio"/> Monthly	1st 0:00
<input type="radio"/> Weekly	Sunday 0:00
<input type="radio"/> Daily	0:00

Checking the search status or results

The device search status or results can be checked.

Function	Details
Search Status	Allows you to check the searching progress with the progress bar. After the search process has finished, the number of checked devices is displayed in "Number of device(s) found".
SNMP Broadcast Discovery	Displays the progress and results of the SNMP broadcast discovery process.
SNMP Unicast Discovery	Displays the progress and results of the SNMP unicast discovery process.
SNMP Multicast Discovery	Displays the progress and results of the SNMP multicast discovery process.



Reminder

Click the [Stop] button during searching to stop searching.

Automatically performing periodic searches

Searches are periodically performed on a specified date and time. If a new device is added after management is started, searches are performed automatically to refresh the registration.

- 1 Specify the timing to automatically perform searches for "Search Schedule".
 - When not automatically performing periodic searches, select "No Search".
- 2 Select the check box for a desired search method.
- 3 Click the [Apply] button.

3.9.6 Importing a search range

Search conditions can be registered by importing data in the device search range that was saved in a file in advance.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)

- 1 On the Device Auto Discovery page, click the [Import] button.
- 2 Specify the settings necessary for importing, and then click the [Start Import] button.
 - To clear the entered information, click the [Clear] button.

The screenshot shows a dialog box titled "Device Discovery Settings". It has a blue header bar with the title and two icons (up arrow and question mark). The main area contains:

- An "Import File Path" label followed by a text input field and a "Browse..." button.
- A checkbox labeled "Import the file which is secured by password.".
- A "Password" label followed by a text input field.
- At the bottom right, there are two buttons: "Start Import" and "Clear".

The result of the import operation appears.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
Import the file which is secured by password.	Click this option to import a file with a password specified. Select the [Import the file which is secured by password.] check box, and then type in the password specified for the file in [Password].



Reminder

For details on the Result page, refer to "Checking the import result" on page 3-72.

Creating a file to be imported

A file to be imported can be created using a spreadsheet application.



Reminder

You can create an import file by clicking the [Export] button to export a file, then entering the data.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

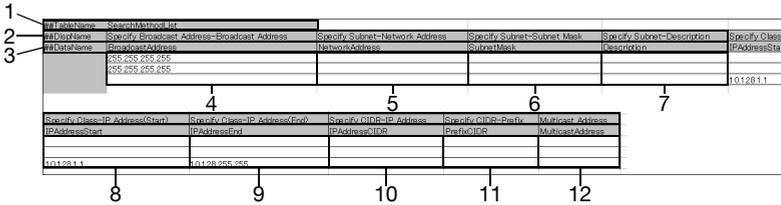
- 1 Open data in the spreadsheet application.
- 2 Create data, and then save it as a new file.
 - To save data, set the file type to the importable one with Enterprise Suite.
 - When data is saved in the text (tab-delimited) format (.txt) or CSV (comma-delimited) format (.csv), change the character code of a file to UTF-8. To select a character code, click "Accessories" - "Notepad" to open the saved file, and save it as a new file.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)



No.	Required	Function	Details
1	<input type="radio"/>	##TableName	Indicates that data is in the device search range. Type in "##TableName" and "search methodList" to the right of the first column of the first row.
2	<input type="radio"/>	##DispName	Enter item titles to be displayed in a page. Type in "##DispName", "Specify Broadcast Address - Broadcast Address", "Specify Subnet - Network Address", "Specify Subnet - Subnet Mask", "Specify Subnet - Description", "Specify Class - IP Address(Start)", "Specify Class - IP Address(End)", "Specify CIDR - IP Address", "Specify CIDR - Prefix", and "Multicast Address" to the right of the first column of the second row.
3	<input type="radio"/>	##DataName	Enter item titles to perform the database-based management. Type in "##DataName", "BroadcastAddress", "NetworkAddress", "SubnetMask", "Description", "IPAddressStart", "IPAddressEnd", "IPAddressCIDR", "PrefixCIDR", and "MulticastAddress" to the right of the first column of the third row.
4		Specify Broadcast Address - Broadcast Address	Type in the broadcast address used for "Broadcast Address" ("Specify Broadcast").
5		Specify Subnet - Network Address	Type in the network address used for "Broadcast Discovery" ("Specify Subnet").
6		Specify Subnet - Subnet Mask	Type in the subnet mask used for "Broadcast Discovery" ("Specify Subnet").
7		Specify Subnet - Description	Type in the description of the subnet used for "Broadcast Discovery" ("Specify Subnet").
8		Specify Class - IP Address(Start)	Type in the IP address to start the unicast discovery used for "Unicast Discovery" ("Specify Class").
9		Specify Class - IP Address(End)	Type in the IP address to end the unicast discovery used for "Unicast Discovery" ("Specify Class").
10		Specify CIDR - IP Address	Type in the IP address to start the unicast discovery used for "Unicast Discovery" ("Specify CIDR").
11		Specify CIDR - Prefix	Type in the prefix used for "Unicast Discovery" ("Specify CIDR").
12		Multicast Address	Type in the multicast address.



Note

The first three rows contain basic information for the data. Do not change the data in these rows. Enter the detailed search range data by starting with the fourth row.

Be sure to enter data for the items marked as "Required".

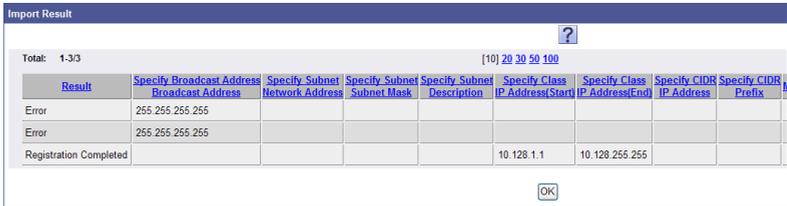


Note

Settings for "Specify Broadcast Address", "Specify Subnet", "Specify Class", "Specify CIDR", and "Multicast Address" cannot be registered on a same row at the same time. Register them on different rows respectively.

Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



Function	Details
Result	Displays whether the registration operation was successfully completed from importing. <ul style="list-style-type: none"> "Registration Completed": The new registration was successfully completed. "Error": Appears when the entered data is inappropriate and cannot be registered. Check again the contents of the file to be imported.
Specify Broadcast Address - Broadcast Address	Displays the broadcast address used for "Broadcast Address" ("Specify Broadcast").
Specify Subnet - Network Address	Displays the network address used for "Broadcast Discovery" ("Specify Subnet").
Specify Subnet - Subnet Mask	Displays the subnet mask used for "Broadcast Discovery" ("Specify Subnet").
Specify Subnet - Description	Displays the description of the subnet used for "Broadcast Discovery" ("Specify Subnet").

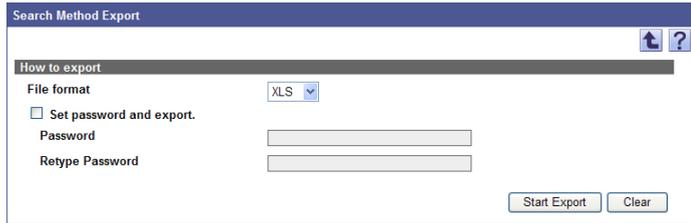
Function	Details
Specify Class - IP Address(Start)	Displays the IP address to start the unicast discovery used for "Unicast Discovery" ("Specify Class").
Specify Class - IP Address(End)	Displays the IP address to end the unicast discovery used for "Unicast Discovery" ("Specify Class").
Specify CIDR - IP Address	Displays the IP address to start the unicast discovery used for "Unicast Discovery" ("Specify CIDR").
Specify CIDR - Prefix	Displays the prefix used for "Unicast Discovery" ("Specify CIDR").
Multicast Address	Displays the multicast address.

3.9.7 Exporting search condition data

Search condition data can be exported as a file. Search condition information can also be registered by temporarily saving the registered information or adding search condition information in the correct format, then importing it.

- 1 In the Device Auto Discovery page, click the [Export] button.

The Export Search Method page appears.



- 2 Select the type of file you want to export from the [File format] drop-down list.
 - When specifying a read password for a file to be exported, select the "Set password and export." check box, and enter a password.
 - A password of 1-15 characters can be set for files in the Excel 97-2003 Workbook format (.xls).
 - A password of 1-255 characters can be set for files in the Excel Workbook format (Office Excel 2007 or later) (.xlsx).
 - To clear the entered information, click the [Clear] button.

- 3 Click the [Start Export] button.

The File Download dialog box appears.

- 4 In the File Download dialog box, click the [Save] button.

- 5 Specify the location where the file is to be saved, and then click the [Save] button.

- 6 In the Download complete dialog box, click the [Close] button.

The exported data is saved in the specified location.

**Reminder**

The exported data can be viewed and edited in a spreadsheet application or text editor.

For details on editing the export file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

3.10 Manual Device Registration

Device data can be registered by specifying a device to be managed without performing automatic search.

There are three different registration methods available: "Device Single Registration" to obtain device data through the network by specifying the IP address or DNS host name for each device, "Device Batch Registration" to register multiple devices collectively by importing the IP addresses or DNS host names for the devices to be registered to a file, and "Virtual Device Registration" to register devices of which information cannot be obtained through the network.

3.10.1 Available operations in the Manual Device Registration page

Depending on the selected registration method, devices can be registered or SNMP can be specified.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click the [Manual Device Registration] in the menu.

Manual Device Registration

[Show Simple Help.](#)

Registration Settings

Device Single Registration

IP Address / DNS Host Name 1-126 chars

Device Batch Registration

File Path

Operation for Already Existing Devices

Import the file which is secured by password.

Password

File Format

Virtual Device Registration

SNMP Settings

SNMP Port Number [Required] Only Number: 1-65535

Communication by SNMPv1

Community Name 1-511 chars

Communication by SNMPv3

User Name 1-63 chars

Context Name Max: 63 chars

Security Level

Authentication Protocol

Authentication Password 8-63 chars

Privacy Protocol

Privacy Password 8-63 chars

<Registration Settings>

Function		Details
Device Single Registration		Type in the IP address or DNS host name for the device to be managed, obtain data for each device and register the device in the device list.
IP Address / DNS Host Name		Type in the IP address or DNS host name of the device to be registered.  ... Note <i>Use a global address for IPv6 address. Some functions may not be available if any address other than the global address is used.</i>
Device Batch Registration		Type in the IP address or DNS host name of the device to be registered for a file, and import the file to register data.
File Path		Type in the path to the file to be used for Device Batch Registration. The file path can also be specified by clicking the [Browse] button.
Operation for Already Existing Devices		Select whether or not to overwrite the information in "IP Address / DNS Host Name", "Registered Name", "Serial Number", "Admin.Authority", "OpenAPI Setting", "Authentication Settings", and "SNMP Settings" if there is already an imported device with the same name.
Import the file which is secured by password.		Click this option to import a file with a password specified. Select the [Import the file which is secured by password.] check box, and then type in the password specified for the file in [Password].
File Format		Downloads a template of a file containing device information that is used for Device Batch Registration. Settings are specified for the required items in advance. Click the [Download] button to save the file to the computer. For details, refer to "Downloading an import file format" on page 3-81.
Virtual Device Registration		Registers devices not connected to the network or of which information cannot be obtained through the network.

<SNMP Settings>

Function	Details
SNMP Port Number	Type in the SNMP port number to be used when "Device Single Registration" or "Device Batch Registration" is selected. The default is "161".
Communication by SNMPv1	Select this function to use SNMPv1.
	Community Name Type in the community name to be used with SNMPv1.
Communication by SNMPv3	Select this function to use SNMPv3.
	User Name Type in the user name to be used with SNMPv3.
	Context Name Type in the context name to be used with SNMPv3.
	Security Level Select "NoAuth/NoPriv", "Auth/NoPriv" or "Auth/Priv" as the security level to be used with SNMPv3.
	Authentication Protocol Select MD5 or SHA-1 as the authentication protocol to be used with SNMPv3.  ... Reminder <i>The authentication protocol must be specified when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".</i>
	Authentication Password Type in the authentication password to be used with SNMPv3.  ... Reminder <i>The password must be entered when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".</i>
	Privacy Protocol Select "DES" or "AES-128" as the privacy protocol to be used with SNMPv3.  ... Reminder <i>The privacy protocol must be specified when "Security Level" is set to "Auth/Priv".</i>
	Privacy Password Type in the privacy password to be used with SNMPv3.  ... Reminder <i>The password must be entered when "Security Level" is set to "Auth/Priv".</i>

3.10.2 Device Single Registration

The IP address or DNS host name for the device to be managed can be typed in manually. Depending on the entered IP address or DNS host name, device information is obtained through the network to register it in the device list.

- 1 Select "Device Single Registration" in "Registration Settings".
- 2 Specify setting for "IP Address / DNS Host Name".
 - Use a global address for IPv6 address. Some functions may not be available if any address other than the global address is used.
- 3 Specify setting for "SNMP Port Number" for "SNMP Settings".
 - When using SNMPv1 or SNMPv3, type in required information. For details on the settings, refer to "Available operations in the Manual Device Registration page" on page 3-76.
- 4 Click the [Register] button.

**Note**

The information required for each device to be registered is obtained from these devices. As a result, no device can be registered unless SNMP is enabled or the entered information matches the SNMP settings specified for each device.

3.10.3 Device Batch Registration

Device information can be registered collectively by importing its data that was saved in a file in advance.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)

- 1 Select "Device Batch Registration" in "Registration Settings".
- 2 In the "File Path" box, type the path to the file where the device information is saved.
The file path can also be specified by clicking the [Browse] button.
 - Select an operation to be carried out when data is duplicated, from the [Operation for Already Existing Devices] drop-down list.
 - To import a file with a password specified, select the "Import the file which is secured by password." check box, and type in the password specified for the file in [Password].
- 3 Specify setting for "SNMP Port Number" for "SNMP Settings".
 - When using SNMPv1 or SNMPv3, type in required information. For details on the settings, refer to "Available operations in the Manual Device Registration page" on page 3-76.
 - If SNMP settings are described in a file to be imported, use SNMP described in the file.
- 4 Click the [Register] button.
 - To clear the entered information, click the [Clear] button.The result of the import operation appears.



Reminder

- For details on the Result page, refer to "Checking the import result" on page 3-89.

- Up to 2000 devices can be registered at one time.



Note

- No device can be registered unless SNMP is enabled or the entered information matches the SNMP settings specified for each device.

- If there are too many devices, it may take time to register them.

Downloading an import file format

Download the format of an import file to be used in Device Batch Registration. Using this function, you can easily create an import file by entering device data to fit the prepared setting items.

- 1 Select "Device Batch Registration" in "Registration Settings".
- 2 Click the [Download] button in "File Format".

The Device Batch Registration - Download Format page appears.



- 3 Select the desired file type from the [File format] drop-down list.
- 4 Click the [Start Download] button.



Reminder

For details on the setting items to be written to an import file, refer to "Creating a file to be imported" on page 3-81.

Creating a file to be imported

A file to be imported can be created using a spreadsheet application.



Reminder

The import file can also be created by clicking the [Download] button to save a template file, then entering the data.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

- 1 Open data in the spreadsheet application.
- 2 Create data, and then save it as a new file.
 - To save data, set the file type to the importable one with Enterprise Suite.
 - When data is saved in the text (tab-delimited) format (.txt) or CSV (comma-delimited) format (.csv), change the character code of a file to UTF-8. To select a character code, click "Accessories" - "Notepad" to open the saved file, and save it as a new file.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)

1	##TableName	DeviceBatchRegistration									
2	##Information	Admin Authority: Y= set Admin, Password, N= do not set Admin, Password OpenAPI Setting: Y= set Access ID and Password (OpenAPI), N= do not set Access ID or Password (OpenAPI) Authentication Settings: Y= set Password, N= do not set Password SNMP Settings: Y= set SNMP Settings, N= do not set SNMP Settings SNMP Version: 1= SNMPv1, 3= SNMPv3 Security Level: 0= NoAuth/NoPriv, 1= Auth/NoPriv, 2= Auth/Priv Authentication Protocol: 1= MD5, 2= SHA-1 Privacy Protocol: 1= DES, 2= AES-128									
4	##TableName	IP Address	MAC Host Name	Registered Name	Serial Number	Admin Authority	Admin Password	OpenAPI Setting	Access ID	Password (OpenAPI)	
5	##TableName	IPAddress	MACHostName	RegisteredName	SerialNumber	AdminAuthority	AdminPassword	OpenAPISetting	AccessID	OpenAPIPassword	
		1.0128.34.44		Device	101	N	NULL	N	NULL	NULL	
4	Authentication Settings	Password	SNMP Settings	SNMP Port Number	SNMP Version (Read)	Community Name (Read)	User Name (Read)	Context Name (Read)			
5	AuthSettings	AuthPassword	SnmpSettings	SnmpPortNumber	SnmpVersionRead	CommunityNameRead	UserNameRead	ContextNameRead			
7		N	Y		101	name	NULL	NULL			
4	Security Level (Read)	Authentication Protocol (Read)	Authentication Password (Read)	Privacy Protocol (Read)	Privacy Password (Read)	SNMP Version (Write)					
5	SecurityLevelRead	AuthProtocolRead	AuthPasswordRead	PrivProtocolRead	PrivPasswordRead	SNMPVersionWrite					
7		0	1	NULL	1	NULL					1
4	Community Name (Write)	User Name (Write)	Context Name (Write)	Security Level (Write)	Authentication Protocol (Write)	Authentication Password (Write)					
5	CommunityNameWrite	UserNameWrite	ContextNameWrite	SecurityLevelWrite	AuthProtocolWrite	AuthPasswordWrite					
7		NULL	NULL	NULL	NULL	1	NULL				
4	Privacy Protocol (Write)	Privacy Password (Write)									
5	PrivProtocolWrite	PrivPasswordWrite									
7		1	NULL								

No.	Required	Function	Details
1	<input type="radio"/>	##TableName	Indicates data for Device Batch Registration. Type in "##TableName" and "DeviceBatchRegistration" to the right of the first column of the first row.
2	<input type="radio"/>	##Information	Indicates a data legend. Type in a legend in the first column of the second row.

No.	Required	Function	Details
3	○	(Contents of ##In-formation)	<p>Define a legend in detail. Downward from the second column of the second row, type in as described below. "Admin.Authority: Y = set Admin.Password, N = do not set Admin.Password" "OpenAPI Setting: Y = set Access ID and Password (OpenAPI), N = do not set Access ID or Password (OpenAPI)" "Authentication Settings: Y = Set Password, N = Do not set Password" "SNMP Settings: Y = Register SNMP settings. N = Do not register SNMP settings" "SNMP Version: 1 = SNMPv1, 3 = SNMPv3" "Security Level: 0 = NoAuth/NoPriv, 1 = Auth/NoPriv, 2 = Auth/Priv" "Authentication Protocol: 1 = MD5, 2= SHA-1" "Privacy Protocol: 1 =DES, 2 = AES-128"</p> <p> . . .</p> <p>Reminder <i>If these parameters are not registered, defaults are used.</i></p>

No.	Required	Function	Details
4	○	##DispName	<p>Enter item titles to be displayed in a page. From the first column of the 11th row to the right, type in as described below.</p> <p>"## DispName" "IP Address / DNS Host Name" "Registered Name" "Serial Number" "Admin.Authority" "Admin.Password" "OpenAPI Setting" "Access ID" "Password (OpenAPI)" "Authentication Settings" "Password" "SNMP Settings" "SNMP Port Number" "SNMP Version (Read)" "Community Name (Read)" "User Name (Read)" "Context Name (Read)" "Security Level (Read)" "Authentication Protocol (Read)" "Authentication Password (Read)" "Privacy Protocol (Read)" "Privacy Password (Read)" "SNMP Version (Write)" "Community Name (Write)" "User Name (Write)" "Context Name (Write)" "Security Level (Write)" "Authentication Protocol (Write)" "Authentication Password (Write)" "Privacy Protocol (Write)" "Privacy Password (Write)"</p> <p> . . .</p> <p>Reminder <i>Do not type anything in the 10th row.</i></p>

No.	Required	Function	Details
5	<input type="radio"/>	##DataName	<p>Enter item titles to perform the database-based management. From the first column of the 12th row to the right, type in as described below.</p> <p>##DataName IPAddress/DNSHostName" "RegisteredName" "SerialNumber" "AdminAuthority" "AdminPassword" "OpenAPISetting" "AccessID" "OpenAPIPassword" "AuthSettings" "AuthPassword" "SNMPSettings" "SNMPPortNumbe" "SNMPVersion_Read" "CommunityName_Read" "UserName_Read" "CommunityName_Read" "SecurityLevel_Read" "AuthProtocol_Read" "AuthPassword_Read" "PrivProtocol_Read" "PrivPassword_Read" "SNMPVersion_Write" "CommunityName_Write" "UserName_Write" "CntextName_Write" "SecurityLevel_Write" "AuthProtocol_Write" "AuthPassword_Write" "PrivProtocol_Write" "PrivPassword_Write"</p>
6	<input type="radio"/>	IP Address / DNS Host Name	<p>In the second column starting with the 13th row, type in the IP address or DNS host name for the device. Do not type anything in the first column.</p>

No.	Required	Function	Details
7		Registered Name	In the third column starting with the 13th row, type in the registration name for the device.
		Serial Number	In the fourth column starting with the 13th row, type in the serial number of the device.  . . . Reminder <i>If the serial number can be obtained from the device, register the value from the device.</i>
		Admin.Authority	In the fifth column starting with the 13th row, specify whether to register the information entered in "Admin.Password". To register it, type in "Y". Not to register it, type in "N".
		Admin.Password	In the sixth column starting with the 13th row, type in the administrator password for the device.
		OpenAPI Settings	In the seventh column starting with the 13th row, specify whether to register the following information. To register it, type in "Y". Not to register it, type in "N". <ul style="list-style-type: none"> • Access ID • Password (OpenAPI)
		Access ID	In the eighth column starting with the 13th row, type in the OpenAPI access ID.
		Password (OpenAPI)	In the ninth column starting with the 13th row, type in the OpenAPI password.
		Authentication Settings	The tenth column starting with the 13th row, specify whether to register the information entered in "Password". To register it, type in "Y". Not to register it, type in "N".
	Password	In the 11th column starting with the 13th row, type in the password.	

No.	Required	Function	Details
		SNMP Settings	In the 12th column starting with the 13th row, specify whether to register the following information. To register it, type in "Y". Not to register it, type in "N". <ul style="list-style-type: none"> • SNMP Port Number • SNMP Version (Read) • Community Name (Read) • User Name (Read) • Context Name (Read) • Security Level (Read) • Authentication Protocol (Read) • Authentication Password (Read) • Privacy Protocol (Read) • Privacy Password (Read) • SNMP Version (Write) • Community Name (Write) • User Name (Write) • Context Name (Write) • Security Level (Write) • Authentication Protocol (Write) • Authentication Password (Write) • Privacy Protocol (Write) • Privacy Password (Write)
		SNMP Port Number	In the 13th column starting with the 13th row, type in the SNMP port number.
		SNMP Version (Read)	In the 14th column starting with the 13th row, type in the SNMP version (Read). When using SNMPv1, type in "1". When using SNMPv3, type in "3".
		Community Name (Read)	In the 15th column starting with the 13th row, type in the SNMPv1 community name (Read).
		User Name (Read)	In the 16th column starting with the 13th row, type in the SNMPv3 user name (Read).
		Context Name (Read)	In the 17th column starting with the 13th row, type in the SNMPv3 context name (Read).
		Security Level (Read)	In the 18th column starting with the 13th row, type in the SNMP security level (Read). When using NoAuth/NoPriv, type in "0". When using Auth/NoPriv, type in "1". When using Auth/Priv, type in "2".
		Authentication Protocol (Read)	In the 19th column starting with the 13th row, type in the SNMPv3 authentication protocol (Read). When using MD5, type in "1". When using SHA-1, type in "2".
		Authentication Password (Read)	In the 20th column starting with the 13th row, type in the SNMPv3 authentication password (Read).
		Privacy Protocol (Read)	In the 21st column starting with the 13th row, type in the SNMP privacy protocol (Read). When using DES, type in "1". When using AES-128, type in "2".
		Privacy Password (Read)	In the 22nd column starting with the 13th row, type in the SNMP privacy password (Read).

No.	Required	Function	Details
		SNMP Version (Write)	In the 23rd column starting with the 13th row, type in the SNMP version (Write). When using SNMPv1, type in "1". When using SNMPv3, type in "3".
		Community Name (Write)	In the 24th column starting with the 13th row, type in the SNMPv1 community name (Write).
		User Name (Write)	In the 25th column starting with the 13th row, type in the SNMPv3 user name (Write).
		Context Name (Write)	In the 26th column starting with the 13th row, type in the SNMPv3 context name (Write).
		Security Level (Write)	In the 27th column starting with the 13th row, type in the SNMPv3 security level (Write). When using NoAuth/NoPriv, type in "0". When using Auth/NoPriv, type in "1". When using Auth/Priv, type in "2".
		Authentication Protocol (Write)	In the 28th column starting with the 13th row, type in the SNMPv3 authentication protocol (Write). When using MD5, type in "1". When using SHA-1, type in "2".
		Authentication Password (Write)	In the 29th column starting with the 13th row, type in the SNMPv3 authentication password (Write).
		Privacy Protocol (Write)	In the 30th column starting with the 13th row, type in the SNMPv3 privacy protocol (Write). When using DES, type in "1". When using AES-128, type in "2".
		Privacy Password (Write)	In the 31st column starting with the 13th row, type in the SNMPv3 privacy password (Write).



Note

Items up to the one describing "##DataName" display the basic information for data. Do not change the data in these rows. Starting with the row after the one describing "##DataName", type in detailed data for the device.

Be sure to enter data for the items marked as "Required".

Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.

Import Result										
Total: 1-2/2 [10] 20 30 50 100 ?										
Result	IP Address / DNS Host Name	Registered Name	Serial Number	OpenAPI Setting Access ID	SNMP Settings SNMP Port Number	SNMP Settings SNMP Version (Read)	SNMP Settings Community Name (Read)	SNMP Settings User Name (Read)	SNMP Settings Context Name (Read)	SNMP Settings
Time Out	10.128.34.1	Device01	101		161	SNMPv1	CommunityName(Read)			
Time Out	10.128.34.2									

[OK]

SNMP Settings Context Name (Read)	SNMP Settings Security Level (Read)	SNMP Settings Authentication Protocol (Read)	SNMP Settings Privacy Protocol (Read)	SNMP Settings SNMP Version (Write)	SNMP Settings User Name (Write)	SNMP Settings Context Name (Write)	SNMP Settings Security Level (Write)	SNMP Settings Authentication
	NoAuthNoPriv			SNMPv1				

SNMP Settings Authentication Protocol (Write)	SNMP Settings Privacy Protocol (Write)

Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing.</p> <p>Registration Completed: The new registration was successfully completed.</p> <p>Timeout: Appears when registration has failed due to an occurrence of a communication timeout error. Check again the contents of the file to be imported.</p> <p>Update: Appears when "Overwrite" is specified for "Operation for Already Existing Devices" and the information for "IP Address / DNS Host Name", "Registered Name", "Serial Number", "Admin.Authority", "OpenAPI Setting", "Authentication Settings", and "SNMP Settings" for the existing device having the same device (MAC Address) is successfully updated.</p> <p>Cancel: Appears when no processing is performed because the same device (same MAC address) already exists while "Do not Overwrite" is selected in "Operation for Already Existing Devices".</p> <p>Error: Appears when the entered data is inappropriate and cannot be registered. Check again the contents of the file to be imported.</p>
IP Address / DNS Host Name	Displays the IP address or DNS host name for the device.
Registered Name	Displays the registered name for the device.

Function	Details
Serial Number	Displays the serial number for the device if it can be obtained from the device.
OpenAPI Settings	
Access ID	Displays the OpenAPI access ID.
SNMP Settings	
SNMP Port Number	Displays the SNMP port number.
SNMP Version (Read)	Displays the SNMP version (Read).
Community Name (Read)	Displays the SNMPv1 community name (Read).
User Name (Read)	Displays the SNMPv3 user name (Read).
Context Name (Read)	Displays the SNMPv3 context name (Read).
Security Level (Read)	Displays the SNMPv3 security level (Read).
Authentication Protocol (Read)	Displays the SNMPv3 authentication protocol (Read).
Privacy Protocol (Read)	Displays the SNMPv3 privacy protocol (Read).
SNMP Version (Write)	Displays the SNMP version (Write).
User Name (Write)	Displays the SNMPv3 user name (Write).
Context Name (Write)	Displays the SNMPv3 context name (Write).
Security Level (Write)	Displays the SNMPv3 security level (Write).
Authentication Protocol (Write)	Displays the SNMPv3 authentication protocol (Write).
Privacy Protocol (Write)	Displays the SNMPv3 privacy protocol (Write).



Reminder

The following passwords are not displayed.

- Admin.Password
- Password (OpenAPI)
- Password
- Authentication Password (Read)
- Privacy Password (Read)
- Community Name (Write)
- Authentication Password (Write)
- Privacy Password (Write)

3.10.4 Virtual Device Registration

Devices not connected to the network or of which information cannot be obtained through the network can be registered in the device list.

Devices can be registered by manually typing in all the information required for registering devices or importing a file containing the information of devices to be registered.



Note

Information of devices registered as virtual devices cannot be managed in real time by Device Manager.

Counters of devices registered as virtual devices can be managed by installing Account Manager. For details, refer to the "Account Manager User's Guide".

- 1 Select "Virtual Device Registration" in Registration Settings, and then click the [Register] button.
The Virtual Device Registration page appears.
- 2 Select a registration method.
 - [Device Single Registration]: Manually specify all information necessary for the device to be registered.
 - [Device Batch Registration]: Enter devices to be registered in a file, and then import that file to register them.
- 3 Click the [Apply] button.

Function	Details
Device Single Registration	Manually specify all information necessary for the device to be registered.
Registered Name	Type in the registered name for the device.
Model Name	Type in the model name for the device.
Serial Number	Displays the serial number for the device.
IP Address / DNS Host Name	Displays the IP address or DNS host name for the device.
Nickname*	Type in the nickname for the device.
Location*	Type in the installation location for the device.
Contact Person*	Type in the name of the contact person for the device.
Device Batch Registration	Enter devices to be registered in a file, and import that file to register them.
File Path	Type in the path to the file to be used for Device Batch Registration. The file path can also be specified by clicking the [Browse] button.
Operation for Already Existing Devices	Select whether or not to overwrite the information in "Model Name", "Serial Number", "IP Address / DNS Host Name", "Nickname*", "Location*", and "Contact Person*" if there is already an imported virtual device with the same name. Note that if the registered name or IP address/DNS host name as that of the imported virtual device is already registered (used), the device cannot be imported.
Import the file which is secured by password.	Click this option to import a file with a password specified. Select the [Import the file which is secured by password.] check box, and then type in the password specified for the file in [Password].
File Format	Downloads a template of a file containing device information that is used for Device Batch Registration. Settings are specified for the required items in advance. Click the [Download] button to save the file to the computer. For details, refer to "Downloading an import file format" on page 3-93.



Reminder

** indicates item names that can be changed when "Display Settings" is selected on the Server Settings page. For details, refer to "Display Settings" on page 6-4.*

Up to 2,000 devices can be registered at one time in [Device Batch Registration].



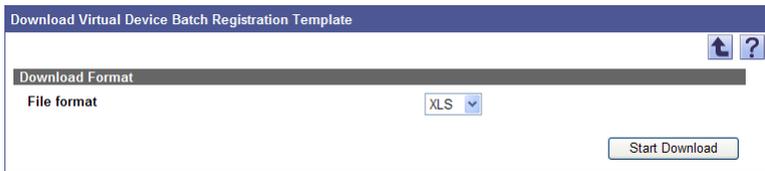
Note

If there are too many devices, it may take time to register them.

Downloading an import file format

Download the format of an import file to be used in Device Batch Registration. Using this function, you can easily create an import file by entering device data to fit the prepared setting items.

- 1 Select "Device Batch Registration" in "Registration Settings".
- 2 Click the [Download] button in "File Format".
The Device Batch Registration - Download Format page appears.



- 3 Select the desired file type from the [File format] drop-down list.
- 4 Click the [Start Download] button.



Reminder

For details on the setting items to be written to an import file, refer to "Creating a file to be imported" on page 3-93.

Creating a file to be imported

A file to be imported can be created using a spreadsheet application.



Reminder

The import file can also be created by clicking the [Download] button to save a template file, then entering the data.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

- 1 Open data in the spreadsheet application.

2 Create data, and then save it as a new file.

- To save data, set the file type to the importable one with Enterprise Suite.
- When data is saved in the text (tab-delimited) format (.txt) or CSV (comma-delimited) format (.csv), change the character code of a file to UTF-8. To select a character code, click "Accessories" - "Notepad" to open the saved file, and save it as a new file.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)

1	##TableName	VirtualDeviceBatchRegistration						
2	##DispName	RegisteredName	ModelName	SerialNumber	IP Address / DNS Host Name	Nickname	Location	Contact Person
3	##DataName	RegisteredName	ModelName	SerialNumber	IPAddress/DNSHostName	SystemName	SystemLocation	SystemContact
		Device/10128.34.30	device	10010128.34.30		NickName01	Location01	Contact01
		Device/10128.34.31	device	101.10128.34.31		NickName02	Location02	Contact02

No.	Required	Function	Details
1	<input type="radio"/>	##TableName	Indicates that data is for VirtualDeviceBatchRegistration. Type in "##TableName" and "VirtualDeviceBatchRegistration" to the right of the first column of the first row.
2	<input type="radio"/>	##DispName	Enter item titles to be displayed in a page. Type in "##DispName", "RegisteredName", "ModelName", "SerialNumber", "IP Address / DNS Host Name", "Nickname", "Location", and "Contact Person" to the right of the first column of the second row.
3	<input type="radio"/>	##DataName	Enter item titles to perform the database-based management. Type in "##DataName", "RegisteredName", "ModelName", "SerialNumber", "IPAddress/DNSHostName", "SystemName", "SystemLocation", and "SystemContact" to the right of the first column of the third row.

No.	Required	Function	Details
4	<input type="radio"/>	Registered Name	Type in the registered name for the device.
		Model Name	Type in the model name for the device.
		Serial Number	Type in the serial number for the device.
		IP Address / DNS Host Name	Type in the IP address or host name for the device.
		Nickname	Type in the nickname for the device.
		Location	Type in the installation location for the device.
		Contact Person	Type in the name of the contact person for the device.



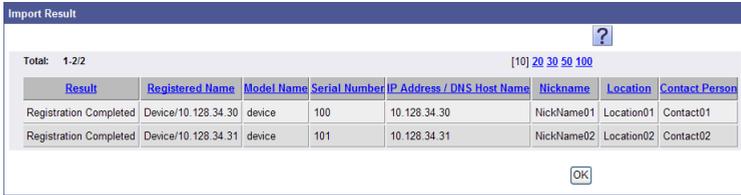
Note

Items up to the one describing "##DateName" display the basic information for data. Do not change the data in these rows. Starting with the row after the one describing "##DateName", type in detailed data for the device.

Be sure to enter data for the items marked as "Required".

Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing.</p> <ul style="list-style-type: none"> Registration Completed: The new registration was successfully completed. Update: Appears when the information on "Model Name", "Serial Number", "IP Address / DNS Host Name", "Nickname*", "Location*", and "Contact Person*" of the existing device name has been updated successfully while "Overwrite" is specified for "Operation for Already Existing Devices". Cancel: Appears when no processing is performed because the same device name is already registered while "Do not Overwrite" is selected in "Operation for Already Existing Devices". Error: Appears when the entered data is inappropriate and cannot be registered. Check again the contents of the file to be imported. Note that if the registered name or IP address/DNS host name as that of the imported virtual device is already registered (used), the device cannot be imported ("Error" is displayed).
Registered Name	Displays the registered name for the device.
Model Name	Displays the model name for the device.
Serial Number	Displays the serial number for the device.
IP Address / DNS Host Name	Displays the IP address or DNS host name for the device.
Nickname*	Displays the nickname for the device.
Location*	Displays the installation location for the device.
Contact Person*	Displays the contact person for the device.



Reminder

* indicates item names that can be changed when "Display Settings" is selected on the Server Settings page. For details, refer to "Display Settings" on page 6-4.

3.11 Device Management

It can be specified whether to manage the devices registered in the device list by Device Manager.



Note

Device specified as target devices of management cannot be specified as target devices of management with an add-on application.

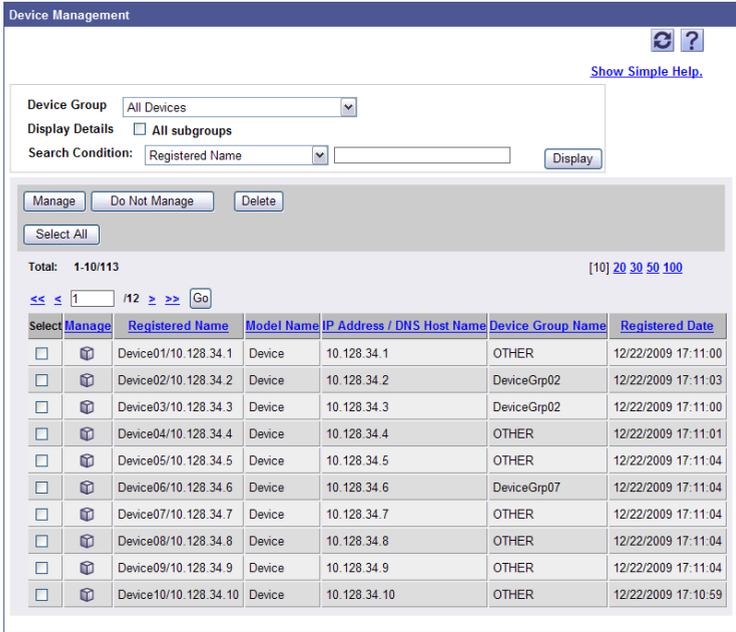
3.11.1 Available operations in the Device Management screen

A list of registered devices and whether or not the devices are specified as the target of management can be viewed.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Device Management] in the menu.
- 3 From the [Device Group] drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

4 Click the [Display] button.

A list of devices registered in the selected group appears.



Function	Details
Search Condition	Specify the condition for narrowing devices to be displayed in the list.
[Manage] button	Click this button to include the device selected in the device management list in the target devices of management.
[Do Not Manage] button	Click this button to exclude the device selected in the device management list from the target devices of management.  ... Reminder <i>It is not possible to change the device management state to "Do Not Manage" for a device that is used with an add-on application requiring a license.</i> <i>Be sure to change the device management state not to use (Do Not Manage) the device on the setting screen for your add-on application before selecting "Do Not Manage" for the device on the Device Management screen.</i>
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.

Function	Details
[Delete] button	<p>Click this button to delete the device selected in the device management list from the device list.</p> <p> . . .</p> <p>Reminder <i>Any device that is used with an add-on application requiring a license cannot be deleted.</i></p> <p><i>Be sure to change the device management state not to use (Do Not Manage) the device on the setting screen for your add-on application before deleting the device on the Device Management screen.</i></p> <p> . . .</p> <p>Note <i>When this operation is performed, all data for the device is deleted from the database.</i></p>
(Device management list)	Displays whether or not the devices being managed are included in the targets of management.

Manage icon

Whether or not the device is included in the targets of management is displayed with an icon.

Function	Details
	Appears when the device is specified as a target of management (Manage).
	Appears when the device is not specified as a target of management (Do Not Manage).

3.11.2 Device Management

It can be specified whether to include the devices registered in the device list in the targets of management.

Including the registered device in the targets of management

Registered devices can be included in the targets of management.

- 1 From the device management list, select the check boxes for the devices to be managed.
- 2 Click the [Manage] button.

Excluding registered devices from the targets of management

Registered devices can be excluded from the targets of management. The devices excluded from the targets of management are not displayed in the device list.

- 1 From the device management list, select the check boxes for the devices not to be managed.
- 2 Click the [Do Not Manage] button.

Deleting devices from the device management list

Data for a device can be deleted from the displayed list.



Note

When this operation is performed, all data for the device is deleted from the database.

- 1 From the device management list, select the check boxes for the devices to be deleted.
- 2 Click the [Delete] button.
- 3 Check the message that appears, and then click the [OK] button to delete the template.

Data for the selected devices is deleted.



Reminder

Multiple devices can be selected at the same time.

3.12 Device Information Settings

Information of the registered device can be checked and edited. Items of which registered information is to be changed or some items that could not be registered automatically can be edited.

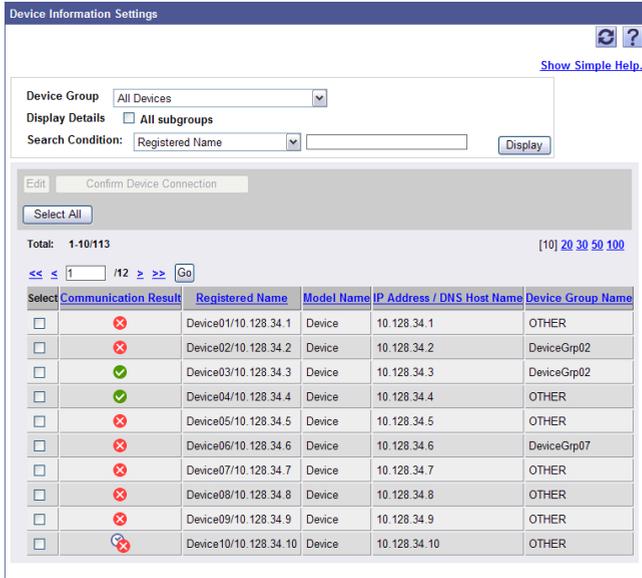
3.12.1 Available operations in the Device Information Settings page

The list of registered devices can be displayed. From this list, select the device whose information is to be checked or edited.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Device Information Settings] in the menu.
- 3 From the [Device Group] drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

4 Click the [Display] button.

A list of devices registered in the selected group appears.



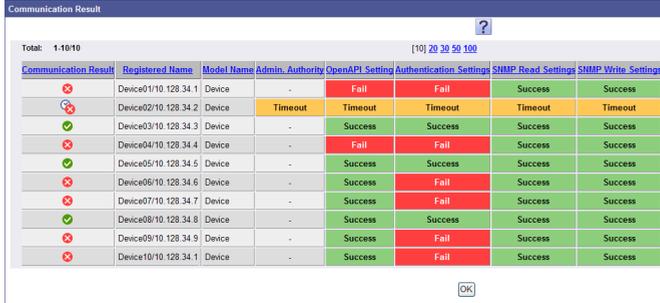
Note

If "Discovery User" is specified for "SNMP Read Settings", communication fails.

Function	Details
Search Condition	Specify the condition for narrowing devices to be displayed in the list.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
[Edit] button	Click this button to edit the information for the registered device.
[Confirm Device Connection] button	Click this button to check the registered devices for communication.
(Device information settings list)	Displays the list of data of the device list.

Confirming communication result

The results of communication with the devices can be viewed. Check the details, and then click the [OK] button.



Function	Details
Communication Result	Displays the communication result with icons.
	Appears when a part of a communication result cannot be checked or timeout occurs.
	Appears when communication was successfully completed.
	Appears when communication failed.
	Appears when no communication check is performed, for example, for virtual devices.
Registered Name	Displays the registered name for the device.
Model Name	Displays the model name for the device.
Admin.Authority	Displays the results of communication with the devices with regard to administrator authorities for the devices.
OpenAPI Settings	Displays the results of communication with regard to OpenAPI settings for the devices.
Authentication Settings	Displays the results of communication with the devices with regard to authentication settings for the devices.
SNMP Read Settings	Displays the results of communication with regard to SNMP Read settings for the devices.
SNMP Write Settings	Displays the results of communication with regard to SNMP Write settings for the devices.



Reminder

Up to 100 information items can be edited at one time.

Up to 100 communications can be viewed at one time.

3.12.2 Editing device information

Information of the registered device can be edited.

**Reminder**

Information of multiple devices can also be edited at one time. For details, refer to "Editing information of multiple devices" on page 3-111.

- 1 From the device information settings list, select the device whose settings are to be edited, and then click the [Edit] button.

- 2 Specify the necessary settings, and then click the [Apply] button.
- To clear the selected information, click the [Clear] button.

Device Information Settings

Device Information

Registered Name	<input type="text" value="Device01/10.128.34.1"/>	[Required] Max: 63 chars
Model Name	<input type="text" value="Device"/>	
Serial Number	<input type="text" value="100213"/>	Max: 255 chars
IP Address / DNS Host Name	<input type="text" value="10.128.34.1"/>	
Nickname	<input type="text" value="testb"/>	
Location	<input type="text"/>	
Contact Person	<input type="text"/>	

Admin. Authority

Admin. Password	<input type="password" value="*****"/>	Max: 64 chars
-----------------	--	---------------

OpenAPI Setting

Access ID	<input type="text"/>	Max: 8 chars
Password	<input type="password"/>	Max: 8 chars

Authentication Settings

Password	<input type="password" value="*****"/>	Max: 64 chars
----------	--	---------------

SNMP Settings

SNMP Port Number	<input type="text" value="161"/>	[Required] Only Number: 1-65535
SNMP Read Settings		
<input checked="" type="radio"/> Communication by SNMPv1		
Community Name	<input type="text" value="public"/>	1-511 chars
<input type="radio"/> Communication by SNMPv3		
User Name	<input type="text"/>	1-63 chars
Context Name	<input type="text"/>	Max: 63chars
Security Level	<input type="text" value="NoAuth/NoPriv"/>	
Authentication Protocol	<input type="text" value="MD5"/>	
Authentication Password	<input type="password"/>	8-63 chars
Privacy Protocol	<input type="text" value="DES"/>	
Privacy Password	<input type="password"/>	8-63 chars
SNMP Write Settings		
<input checked="" type="radio"/> Communication by SNMPv1		
Community Name	<input type="password" value="*****"/>	Max: 511chars
<input type="radio"/> Communication by SNMPv3		
User Name	<input type="text"/>	1-63chars
Context Name	<input type="text"/>	Max: 63chars
Security Level	<input type="text" value="NoAuth/NoPriv"/>	
Authentication Protocol	<input type="text" value="MD5"/>	
Authentication Password	<input type="password"/>	8-63 chars
Privacy Protocol	<input type="text" value="DES"/>	
Privacy Password	<input type="password"/>	8-63 chars



Reminder

The settings in this page should be specified to match the settings specified on the device.

**Reminder**

If the server fails to connect to the device, check the following settings.

- OpenAPI Settings:

Specify the parameter that is the same as that specified for the item accessible by pressing the [Utility/Counter] button on the device, and then selecting "Administrator Settings" - "System Synchronize" - "OpenAPI Setting" - "Authentication". Alternatively, check that the device is powered on.

- SNMP Read Settings

Specify the parameter that is the same as that specified for the item accessible by pressing the [Utility/Counter] button on the device, and then selecting "Administrator Settings" - "Network Settings" - "SNMP Settings". Alternatively, check that the device is powered on.

- SNMP Write Settings:

Specify the parameter that is the same as that specified for the item accessible by pressing the [Utility/Counter] button on the device, and then selecting "Administrator Settings" - "Network Settings" - "SNMP Settings". Alternatively, check that the device is powered on.

- Authentication Settings:

Specify the parameter that is the same as that specified for the item accessible by pressing the [Utility/Counter] button on the device, and then selecting "Administrator Settings" - "Network Settings" - "WebDAV Settings" - "WebDAV Server Settings" - "Password Setting". Alternatively, press the [Utility/Counter] button on the device, and then select "Administrator Settings" - "Network Settings" - "http Server Setting" to check that "Enable" is specified. Alternatively, check that the device is powered on.

- Admin. Authority:

Specify the parameter that is the same as the administrator password for the device.

**Reminder**

The information displayed varies depending on the device.

**Note**

If the settings in this page are different from the settings specified on the device, some functions, including add-on applications, may become unavailable. If the settings specified for the device are changed, be sure to change the settings on this page.

**Note**

If "Discovery User" is specified for "SNMP Read Settings", communication fails.

<Device Information>

Function	Details
Registered Name	Type in the registered name for the device.
Model Name	Displays the model name for the device.
Serial Number	Displays a serial number of the device.
IP Address / DNS Host Name	Displays the IP address or DNS host name for the device.
Nickname*	Displays a nickname of the device.
Location*	Displays a location of the device.
Contact Person*	Displays a contact person of the device.

**Reminder**

** indicates item names that can be changed when "Display Settings" is selected on the Server Settings page. For details, refer to "Display Settings" on page 6-4.*

<Admin.Authority>

Function	Details
Admin.Password	Type in the administrator password for the device.

<OpenAPI Settings>

**Reminder**

Specify the parameter that is the same as that specified for the item accessible by clicking the [Utility/Counter] button, and then selecting "Administrator Settings" - "System Synchronize" - "OpenAPI Setting" - "Authentication".

If "Never Use" is specified for "Authentication", this item is not used.

Function	Details
Access ID	Type in the OpenAPI access ID.
Password	Type in the OpenAPI password.

<Authentication Settings>

**Reminder**

Specify the parameter that is the same as that specified for the item accessible by clicking the [Utility/Counter] button, and then selecting "Administrator Settings" - "Network Settings" - "WebDAV Settings" - "WebDAV Server Settings" - "Password Setting".

Function	Details
Password	Type in the password used with HTTP or WebDAV authentication.

<SNMP Settings>

**Reminder**

Specify the parameter that is the same as that specified for the item accessible by clicking the [Utility/Counter] button, and then selecting "Administrator Settings" - "Network Settings" - "SNMP Settings".

Function	Details
SNMP Port Number	Type in the SNMP port number. The default is "161".

<SNMP Read Settings>



Reminder

When making communication by SNMPv1, specify the parameter that is the same as that specified for the item accessible by clicking the [Utility/Counter] button, and then selecting "Administrator Settings" - "Network Settings" - "SNMP Settings" - "SNMP v1/v2c Settings".



Reminder

When making communication by SNMPv3, specify the parameter that is the same as that specified for the item accessible by clicking the [Utility/Counter] button, and then selecting "Administrator Settings" - "Network Settings" - "SNMP Settings" - "SNMP v3 Settings".

Function	Details
Community Name	Type in the community name to be used with SNMPv1.
User Name	Type in the user name to be used with SNMPv3.
Context Name	Type in the context name to be used with SNMPv3.
Security Level	Select "NoAuth/NoPriv", "Auth/NoPriv" or "Auth/Priv" as the security level to be used with SNMPv3.
Authentication Protocol	Select MD5 or SHA-1 as the authentication protocol to be used with SNMPv3. <p>Reminder <i>The authentication protocol must be specified when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".</i></p>
Authentication Password	Type in the authentication password to be used with SNMPv3. <p>Reminder <i>The password must be entered when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".</i></p>
Privacy Protocol	Select "DES" or "AES-128" as the privacy protocol to be used with SNMPv3. <p>Reminder <i>The privacy protocol must be specified when "Security Level" is set to "Auth/Priv".</i></p>

Function	Details
Privacy Password	Type in the privacy password to be used with SNMPv3.  ... Reminder <i>The password must be entered when "Security Level" is set to "Auth/Priv".</i>

<SNMP Write Settings>



Reminder

When making communication by SNMPv1, specify the parameter that is the same as that specified for the item accessible by clicking the [Utility/Counter] button, and then selecting "Administrator Settings" - "Network Settings" - "SNMP Settings" - "SNMP v1/v2c Settings".



Reminder

When making communication by SNMPv3, specify the parameter that is the same as that specified for the item accessible by clicking the [Utility/Counter] button, and then selecting "Administrator Settings" - "Network Settings" - "SNMP Settings" - "SNMP v3 Settings".

Function	Details
Community Name	Type in the community name to be used with SNMPv1.
User Name	Type in the user name to be used with SNMPv3.
Context Name	Type in the context name to be used with SNMPv3.
Security Level	Select "NoAuth/NoPriv", "Auth/NoPriv" or "Auth/Priv" as the security level to be used with SNMPv3.
Authentication Protocol	Select MD5 or SHA-1 as the authentication protocol to be used with SNMPv3.  ... Reminder <i>The authentication protocol must be specified when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".</i>

Function	Details
Authentication Password	Type in the authentication password to be used with SNMPv3.  ... Reminder <i>The password must be entered when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".</i>
Privacy Protocol	Select "DES" or "AES-128" as the privacy protocol to be used with SNMPv3.  ... Reminder <i>The privacy protocol must be specified when "Security Level" is set to "Auth/Priv".</i>
Privacy Password	Type in the privacy password to be used with SNMPv3.  ... Reminder <i>The password must be entered when "Security Level" is set to "Auth/Priv".</i>

**Reminder**

Below "SNMP Settings", select whether SNMPv1 or SNMPv3 is used, and then specify the community name or user name.

3.12.3 Editing information of multiple devices

Information of the registered multiple devices can be edited.

**Reminder**

The specifiable items differ depending on the device.

Only items that can be edited by the steps in "Editing device information" on page 3-104 are refreshed. Items that cannot be edited by the steps in "Editing device information" are not refreshed.

For details on the settings, refer to "Editing device information" on page 3-104.

- 1 From the device information settings list, select the device whose settings are to be edited, and then click the [Edit] button.

The Device Information Batch Settings page appears.

Device Information Batch Settings

Device Information

- Model Name Max: 255 chars
- Nickname Max: 255 chars
- Location Max: 255 chars
- Contact Person Max: 255 chars

Admin. Authority

- Admin. Password Max: 64 chars

OpenAPI Setting

- Access ID Max: 8 chars
- Password Max: 8 chars

Authentication Settings

- Password Max: 64 chars

SNMP Settings

- SNMP Port Number Only Number: 1-65535
- SNMP Read Settings
 - Communication by SNMPv1
 - Community Name 1-511 chars
 - Communication by SNMPv3
 - User Name 1-63 chars
 - Context Name Max: 63chars
 - Security Level NoAuth/NoPriv
 - Authentication Protocol MD5
 - Authentication Password 8-63 chars
 - Privacy Protocol DES
 - Privacy Password 8-63 chars
- SNMP Write Settings
 - Communication by SNMPv1
 - Community Name Max: 511chars
 - Communication by SNMPv3
 - User Name 1-63chars
 - Context Name Max: 63chars
 - Security Level NoAuth/NoPriv
 - Authentication Protocol MD5
 - Authentication Password 8-63 chars
 - Privacy Protocol DES
 - Privacy Password 8-63 chars

2 Select the check boxes for device information to be changed.

3 Specify settings, and then click the [Apply] button.

– To clear the entered information, click the [Clear] button.



Reminder

After the following items are specified, the device communication state is changed to "Unconfirmed".

- Admin.Authority
- OpenAPI Setting
- Authentication Settings
- SNMP Settings

3.13 Device Group Settings

Devices registered in the device list can be managed by grouping. If the device group is specified, the list of each group can be viewed in the device list or counter list.

3.13.1 Available operations in the Device Group page

A list of registered device groups appears. The number of registered devices can be viewed.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Device Group Settings] in the menu.

Function	Details
Search Condition	Specify the condition for narrowing device groups to be displayed in the list.
[Register Group] button	Click this button to register device groups.
[Edit Group] button	Click this button to edit the information for a registered group.
[Delete Group] button	Click this button to delete a registered group.
[Import] button	Click this button to import and register device group data that is saved in a file in advance.
[Export] button	Click this button to export the information for the currently registered groups and save it.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
(Device group list)	Displays the list of registered device groups.

3.13.2 Device Group Settings

Groups to manage the devices registered in the device list can be specified or edited. If multiple device groups are registered, master/subordinate relationships can be created in the group.

Registering a device group

A new device group can be registered.

- 1 On the Device Group Settings page, click the [Register Group] button.
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Function	Details
Device Group Name	Type in a device group name.
Description	Type in a description of the group.
Parent group	To create master/subordinate relationships in the group, select the parent group. If master/subordinate relationships are not to be created, select "(Root)".
Independent Device	The list of devices that do not yet belong to a group (devices that belong to the OTHER group) are displayed. To add a device to the created group, select the check box for the device.
Search Condition	Specify the condition for narrowing devices to be displayed in the list.

Function	Details
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.

Editing a device group

The information of registered device groups can be viewed and edited.

- 1 In the Device Group Settings page, select the group to be edited, and then click the [Edit Group] button.
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Create/Edit Device Group

Device Group Information

Device Group Name [Required] Max: 63 chars

Description Max: 255 chars

Parent Group (Root)

Selected device

Search Condition: Registered Name Display

Uncheck All

Total: 1-111 [5] [10](#) [15](#) [25](#) [50](#)

Select	Registered Name	Model Name	Serial Number	IP Address / DNS Host Name	Device Group Name	Nickname	Location	Contact Person
<input checked="" type="checkbox"/>	Device02/10.128.34.2	Device	100213	10.128.34.2	DeviceGroup02	testb		

Independent Device

Search Condition: Registered Name Display

Select All

Total: 1-5/132 [5] [10](#) [15](#) [25](#) [50](#)

<<
<
1
>
>>
Go

Select	Registered Name	Model Name	Serial Number	IP Address / DNS Host Name	Device Group Name	Nickname	Location	Contact Person
<input type="checkbox"/>	Device01/10.128.34.1	Device	8503069X00	10.128.34.1	OTHER			
<input type="checkbox"/>	Device04/10.128.34.4	Device	AOED01300	10.128.34.4	OTHER			
<input type="checkbox"/>	Device05/10.128.34.5	Device	1	10.128.34.5	OTHER			
<input type="checkbox"/>	Device07/10.128.34.7	Device	1	10.128.34.7	OTHER			
<input type="checkbox"/>	Device08/10.128.34.8	Device	1	10.128.34.8	OTHER			

Apply
Clear

Function	Details
Device Group Name	Type in a device group name.
Description	Type in a description of the group.
Parent group	To create master/subordinate relationships in the group, select the parent group. If master/subordinate relationships are not to be created, select "(Root)".
Selected device	A list of devices belonging to the group being edited appears. To remove a device from the group, clear the check box for the device.

Function	Details
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
Independent Device	The list of devices that do not yet belong to a group (devices that belong to the OTHER group) are displayed. To add a device to the created group, select the check box for the device.
Search Condition	Specify the condition for narrowing devices to be displayed in the list.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.

Deleting a device group

A registered group can be deleted. All groups belonging to the group to be deleted will also be deleted.

- 1 In the Device Group Settings page, select the group to be deleted, and then click the [Delete Group] button.
- 2 Check the message that appears, and then click the [OK] button to delete the template.

The group is deleted.



Reminder

The data for a device belonging to a group cannot be deleted.

3.13.3 Importing device group data

Click this button to import and register device group data that is saved in a file in advance. Specify settings for the following parameters when importing.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)

- 1 On the Device Group Settings page, click the [Import] button.
- 2 Specify the settings necessary for importing, and then click the [Start Import] button.
 - To clear the entered information, click the [Clear] button.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
Operation for Already Existing Device Groups	Select whether or not to overwrite the information in "Description" and "Parent Group" if there is already an imported device group with the same name.
Import the file which is secured by password.	Click this option to import a file with a password specified. Select the [Import the file which is secured by password.] check box, and then type in the password specified for the file in [Password].

The result of the import operation appears.



Reminder

For details on the result page, refer to "Checking the import result" on page 3-120.

Creating a file to be imported

A file to be imported can be created using a spreadsheet application.



Reminder

You can create an import file by clicking the [Export] button to export a file, then entering the data.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

- 1 Open data in the spreadsheet application.
- 2 Create data, and then save it as a new file.
 - To save data, set the file type to the importable one with Enterprise Suite.
 - When data is saved in the text (tab-delimited) format (.txt) or CSV (comma-delimited) format (.csv), change the character code of a file to UTF-8. To select a character code, click "Accessories" - "Notepad" to open the saved file, and save it as a new file.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)

1	##TableName	DeviceGroupList		
2	##DispName	Device Group Name	Description	Parent Device Group Name
3	##DataName	DeviceGroupName	Description	ParentDeviceGroupName
		Group1		
		Group2		Group1
		Group3		
		OTHER	Other	

4
5
6

No.	Required	Function	Details
1	<input type="radio"/>	##TableName	Indicates that data is for a device list Type in "##TableName" and "DeviceGroupList" to the right of the first column of the first row.
2	<input type="radio"/>	##DispName	Enter item titles to be displayed in a page. Type in "##DispName", "Device Group Name", "Description", and "Parent Device Group Name" to the right of the first column of the second row.
3	<input type="radio"/>	##DataName	Enter item titles to perform the database-based management. Type in "##DataName", "DeviceGroupName", "Description", and "Parent DeviceGroupName" to the right of the first column of the third row.
4	<input type="radio"/>	Device Group Name	Type in a device group name.
5		Description	Type in a description of the device group.
6		Parent Device Group Name	To create master/subordinate relationships in the group, type in the name of the parent group.



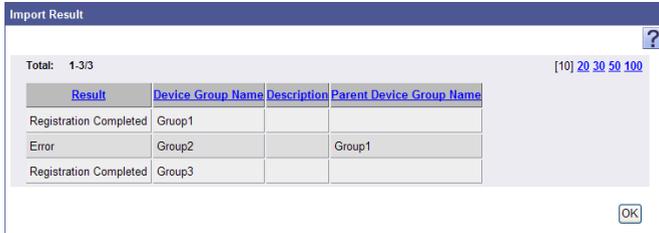
Note

The first three rows contain basic information for the data. Do not change the data in these rows. Enter the data for the device group by starting with the fourth row.

Be sure to enter data for the items marked as "Required".

Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing.</p> <ul style="list-style-type: none"> Registration Completed: The new registration was successfully completed. Update: Appears when the information on "Description" and "Parent Group" of an existing device group name has been updated successively while "Overwrite" is selected in "Operation for Already Existing Device Groups". Cancel: Appears when no processing is performed because the same device name already exists while "Do not Overwrite" is selected in "Operation for Already Existing Device Groups". Error: Appears when the entered data is inappropriate and cannot be registered. Check again the contents of the file to be imported.
Device Group Name	Displays the name of the device group.
Description	Displays the description of the device group.
Parent Device Group Name	Displays the name of the parent device group.



Reminder

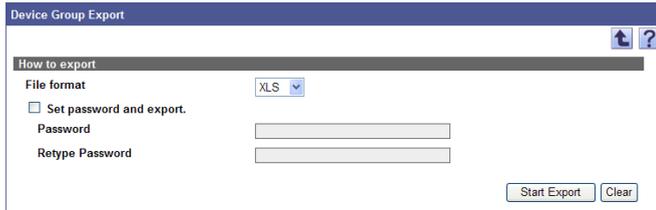
Device groups in the OTHER group cannot be imported.

3.13.4 Exporting device group data

Device group information can be written as a file. Device group information can also be registered by temporarily saving the registered information or adding device group information in the correct format, then importing it.

- 1 On the Device Group Settings page, click the [Export] button.

The Export Device Group page appears.



- 2 Select the type of file you want to export from the [File format] drop-down list.
 - When specifying a read password for a file to be exported, select the "Set password and export." check box, and enter a password.
 - A password of 1-15 characters can be set for files in the Excel 97-2003 Workbook format (.xls).
 - A password of 1-255 characters can be set for files in the Excel Workbook format (Office Excel 2007 or later) (.xlsx).
 - To clear the entered information, click the [Clear] button.

- 3 Click the [Start Export] button.

The File Download dialog box appears.

- 4 In the File Download dialog box, click the [Save] button.

- 5 Specify the location where the file is to be saved, and then click the [Save] button.

- 6 In the Download complete dialog box, click the [Close] button.

The exported data is saved in the specified location.



Reminder

The exported data can be viewed and edited in a spreadsheet application or text editor.

For details on editing the export file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

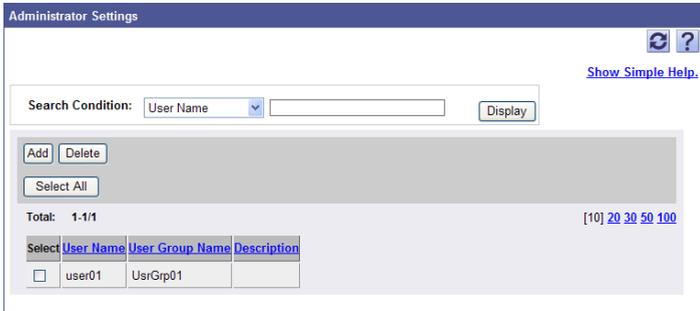
3.14 Administrator Settings

Users who can use the Device List with Administrator privileges can be selected.

3.14.1 Available operations in the Administrator Settings page

A list of users with Administrator privileges in the Device List can be displayed.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Administrator Settings] in the menu.



Function	Details
Search Condition	Specify the condition for narrowing users to be displayed in the list.
[Add] button	Click this button to register additional users with Administrator privileges.
[Delete] button	Click this button to delete users with Administrator privileges.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
(Admin. List)	Displays the list of registered administrators.

3.14.2 Specifying the administrator

An administrator dedicated to Device List can be added or deleted.



Reminder

To specify an administrator, settings for the user list must be first specified. For details, refer to "User List" on page 4-1.

Adding an administrator

- 1 On the Administrator Settings page, click the [Add] button.
- 2 From the [user group] drop-down list, select the group in which the user to be displayed is registered.
 - To display all users, select "All Users".
 - Specifying the search condition can narrow down users to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

- 3 Click the [Display] button.

A list of users registered in the selected group appears.

Select Additional Users

User Group: All Users

Display Details: All subgroups

Search Condition: User Name

Total: 1-10/10 [10] 20 30 50 100

Select	User Name	User Group Name	Description
<input type="checkbox"/>	user06	UsrGrp03	
<input type="checkbox"/>	user07	OTHER	
<input type="checkbox"/>	user08	OTHER	
<input type="checkbox"/>	user09	OTHER	
<input type="checkbox"/>	user10	OTHER	
<input type="checkbox"/>	user11	OTHER	
<input type="checkbox"/>	user02	UsrGrp01	
<input type="checkbox"/>	user03	UsrGrp02	
<input type="checkbox"/>	user04	UsrGrp03	
<input type="checkbox"/>	user05	UsrGrp03	

- 4 Select the check box for the user to be added as an administrator.
 - To clear the selected information, click the [Clear] button.

- 5 Click the [Apply] button.

The selected user is added as an administrator.



Reminder

Multiple users can be selected at the same time.

Deleting an administrator

- 1 In the Administrator Settings page, select the check box for the user to be deleted.

Select	User Name	User Group Name	Description
<input checked="" type="checkbox"/>	user01	UsrGrp01	

- 2 Click the [Delete] button.

- 3 Check the message that appears, and then click the [OK] button to delete the template.

The selected user is deleted from the list of administrators.



Reminder

Multiple users can be selected at the same time.

3.15 Device Group Manager Settings

If device groups are specified, users who can use the device list with Administrator privileges only within the device group (device group manager) can be selected.

3.15.1 Available operations in the Device Group Manager Settings page

A list of users with Device group manager privileges can be displayed.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Device Group Manager Settings] in the menu.

Function	Details
Search Condition	Specify the condition for narrowing users to be displayed in the list.
[Add] button	Click this button to register additional users with Device group manager privileges.
[Delete] button	Click this button to delete users with Device group manager privileges.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
(Device group manager list)	Displays the list of registered device group managers.

3.15.2 Specifying an administrator in the device group

An administrator for the device group can be added or deleted.



Reminder

To specify a device group manager, settings for the user list and device group must be first specified. For settings on the user list, refer to "User List" on page 4-1. For settings on the device group, refer to "Device Group Settings" on page 3-113.

Adding a device group manager

- 1 On the Device Group Manager Settings page, click the [Add] button.
- 2 From the [Managed Device Group] drop-down list, select the device group for which Administrator privileges are given.

The screenshot shows a dialog box titled "Select Additional Users". It has a title bar with a left arrow, a refresh icon, and a help icon. The dialog is divided into two main sections. The first section, "Select Managed Device Group", contains a dropdown menu currently showing "DeviceGroup01". The second section, "Select Device Group Manager", contains a "User Group" dropdown menu set to "All Users", a "Display Details" checkbox with "All subgroups" selected, and a "Search Condition" dropdown menu set to "User Name" with an empty text input field to its right. A "Display" button is located at the bottom right of the dialog.

- 3 From the [User Group] drop-down list, select the user group to be displayed.
 - To display all users, select "All Users".
 - If master and subordinate relationships are specified in the user group, select the "All subgroups" check box to display all users, including those in subordinate groups.
 - Specifying the search condition can narrow down users to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.
- 4 Click the [Display] button.

A list of users registered in the selected group appears.

- 5 Select the check box for the user to be added as an device group manager.

Select Additional Users

Select Managed Device Group

Managed Device Group: DeviceGroup01

Select Device Group Manager

User Group: All Users

Display Details: All subgroups

Search Condition: User Name

Select All

Total: 1-10/11 [10] 20 30 50 100

<< < 1 /2 > >> Go

Select	User Name	User Group	Description
<input checked="" type="checkbox"/>	user01	UsrGrp01	
<input type="checkbox"/>	user02	UsrGrp01	
<input type="checkbox"/>	user03	UsrGrp02	
<input type="checkbox"/>	user04	UsrGrp03	
<input type="checkbox"/>	user05	UsrGrp03	
<input type="checkbox"/>	user06	UsrGrp03	
<input type="checkbox"/>	user07	OTHER	
<input type="checkbox"/>	user08	OTHER	
<input type="checkbox"/>	user09	OTHER	
<input type="checkbox"/>	user10	OTHER	

Apply Clear

- 6 Click the [Apply] button.
The selected user is added as a device group manager.



Reminder

Multiple users can be selected at the same time.

Deleting a device group manager

- 1 On the Device Group Manager Settings page, select the check box for the user to be deleted.



The screenshot shows the 'Device Group Manager Settings' interface. At the top, there is a search bar with 'Managed Device Group' selected in a dropdown menu and a 'Display' button. Below the search bar are buttons for 'Add', 'Delete', and 'Select All'. A table below shows a single row with a checked checkbox in the first column. The table headers are 'Select', 'Managed Device Group', 'User Name', 'User Group', and 'Description'. The row contains the values: DeviceGroup01, user01, and UsrGrp01. At the bottom right of the table area, there is a 'Total: 1-1/1' and a pagination control with '[10] 20 30 50 100'.

- 2 Click the [Delete] button.
- 3 Check the message that appears, and then click the [OK] button to delete the template.

The selected user is deleted from the device group managers.



Reminder

Multiple users can be selected at the same time.

3.16 Filter Setting

Click this button to register and edit conditions (filters) when narrowing down the list displayed in the Device List page.

3.16.1 Functions available in Filter Setting page

Display a list of the registered filter information.

- 1 On the Top Menu page, click the [Device List] button.
- 2 In the menu, select [Option] - [Filter Setting].



Function	Details
[Add] button	Click this button to register a new filter.
[Edit] button	Click this button to change the registered filter.
[Delete] button	Click this button to delete the registered filter.
(Filter list)	Displays the list of registered filters.

3.16.2 Specifying the filter

A filter can be registered and edited.

Registering a filter

A new filter can be registered.

- 1 On the Filter Setting page, click the [Add] button.
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Function	Details
Filter Name	Type in a filter name.
Registered Name	Select this check box when using the registered name as the filter, and then type in the condition.
Model Name	Select this check box when using the model name as the filter, and then type in the condition.
Status	Select this check box when using the status as the filter, and then select the status to be used as the condition. Multiple conditions can be selected at the same time.

Function	Details
Serial Number	Select this check box when using the serial number as the filter, and then type in the condition.
IP Address / DNS Host Name	Select this check box when using the IP address/DNS host name as the filter, and then type in the condition.
MAC Address	Select this check box when using the MAC address as the filter, and then type in the condition.
Device Group Name	Select this check box when using the device group as the filter, and then select the device group to be used as the condition. Multiple conditions can be selected at the same time.
Nickname*	Select this check box when using the nickname as the filter, and then type in the condition.
Location*	Select this check box when using the location as the filter, and then type in the condition.
Contact Person*	Select this check box when using the contact person as the filter, and then type in the condition.
Print Speed	Select this check box when using the print speed as the filter, and then type in the condition.
Color	Select this check box when using the color as the filter, and then select the condition. Multiple conditions can be selected at the same time.
Duplex	Select this check box when using the duplex printing as the filter, and then select the condition. Multiple conditions can be selected at the same time.



Reminder

** indicates item names that can be changed when "Display Settings" is selected on the Server Settings page.*

For details, refer to "Display Settings" on page 6-4.

Editing a filter

Registered filters can be viewed and edited.

- 1 On the Filter Setting page, select the filter to be edited, and then click the [Edit] button.
- 2 Specify the settings for the filter to be edited, and then click the [Apply] button.

- To clear the entered information, click the [Clear] button.



Reminder

For details on the settings, refer to "Registering a filter" on page 3-130.

Deleting a filter

Registered filters can be deleted.

- 1 On the Filter Setting page, select the filter to be deleted, and then click the [Delete] button.
- 2 Check the message that appears, and then click the [OK] button to delete the template.
The filter is deleted.

3.17 Subnet Setting

The network range (subnet) within which the devices are managed can be registered or edited. Multiple subnets can be registered.

3.17.1 Functions available in Subnet Setting page

The list of information of the registered subnets can be viewed.

- 1 On the Top Menu page, click the [Device List] button.
- 2 In the menu, select [Option] - [Subnet Setting].



Function	Details
[Add] button	Click this button to register a new subnet.
[Edit] button	Click this button to change the information for the registered subnet.
[Delete] button	Click this button to delete the registered subnet.
[Import] button	Click this button to read and register subnet information saved in a file.
[Export] button	Click this button to export the information for the currently registered subnets and save it.
(Subnet list)	<p>Displays the list of registered subnets.</p> <p> ...</p> <p>Reminder <i>If Specify Subnet is selected in SNMP Broadcast Discovery of Device Auto Discovery, the specified subnet information is displayed automatically.</i></p>

3.17.2 Specifying subnet settings

A subnet can be registered and edited.

Registering a subnet

A new subnet can be registered.

- 1 On the Subnet Setting page, click the [Add] button.
- 2 Specify the necessary settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Subnet Registration

Network Address [Required] Only Number: 0-255

Subnet Mask [Required] Only Number: 0-255

Description Max: 32 chars

Apply Clear

Function	Details
Network Address	Type in the network address for the network where the devices must be managed.
Subnet Mask	Type in the subnet mask.
Description	Type in a description of the subnet. The description typed in here is displayed in the drop-down list for "Subnet View" on the Device List page.

Editing a subnet

The information of registered subnets can be viewed and edited.

- 1 On the Subnet Setting page, select the subnet to be edited, and then click the [Edit] button.
- 2 Specify subnet information to be changed, and click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Subnet Edit

Network Address [Required] Only Number: 0-255

Subnet Mask [Required] Only Number: 0-255

Description Max: 32 chars

Apply Clear

Deleting a subnet

Registered subnets can be deleted.

- 1 On the Subnet Setting page, select the subnet to be deleted, and then click the [Delete] button.
- 2 Check the message that appears, and then click the [OK] button to delete the template.

The subnet is deleted.

3.17.3 Importing subnet data

Import subnet information to a file in advance, and read the file to register the subnet information.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)

- 1 On the Subnet Setting page, click the [Import] button.
- 2 Specify the settings necessary for importing, and then click the [Start Import] button.
 - To clear the entered information, click the [Clear] button.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
Operation for Already Existing Subnet	Select whether or not to overwrite the information in "Description" if the imported subnet range already exists.

Function	Details
Import the file which is secured by password.	Click this option to import a file with a password specified. Select the [Import the file which is secured by password.] check box, and then type in the password specified for the file in [Password].

The result of the import operation appears.



Reminder

For details on the Result page, refer to "Checking the import result" on page 3-138.

Creating a file to be imported

A file to be imported can be created using a spreadsheet application.



Reminder

You can create an import file by clicking the [Export] button to export a file, then entering the data.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

- 1 Open data in the spreadsheet application.
- 2 Create data, and then save it as a new file.
 - To save data, set the file type to the importable one with Enterprise Suite.
 - When data is saved in the text (tab-delimited) format (.txt) or CSV (comma-delimited) format (.csv), change the character code of a file to UTF-8. To select a character code, click "Accessories" - "Notepad" to open the saved file, and save it as a new file.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)

1	##TableName	SubnetSetting		
2	##DispName	Network Address	Subnet Mask	Description
3	##DataName	NetworkAddress	SubnetMask	Description
		10.128.32.0	255.255.255.0	network1
		10.128.33.0	255.255.255.0	network2

4
5
6

No.	Required	Function	Details
1	<input type="radio"/>	##TableName	Indicates that data is for subnet information. Type in "##TableName" and "SubnetSetting" to the right of the first column of the first row.
2	<input type="radio"/>	##DispName	Enter item titles to be displayed in a page. Enter "## DispName", "Network Address", "Subnet Mask", and "Description" to the right of the first column of the second row.
3	<input type="radio"/>	##DataName	Enter item titles to perform the database-based management. Type in "## DataName", "NetworkAddress", "SubnetMask" and "Description" to the right of the first column of the third row.
4	<input type="radio"/>	Network Address	Type in the network address.
5	<input type="radio"/>	Subnet Mask	Type in the subnet mask.
6		Description	Type in a description of the subnet.



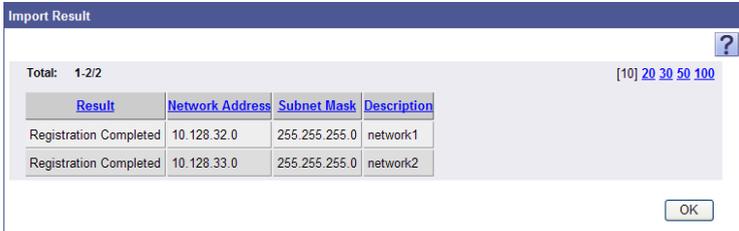
Note

The first three rows contain basic information for the data. Do not change the data in these rows. Enter the detailed subnet data by starting with the fourth row.

Be sure to enter data for the items marked as "Required".

Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



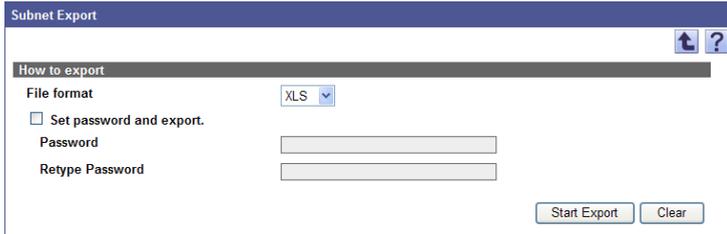
Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing.</p> <p>Displays the following results.</p> <ul style="list-style-type: none"> • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Subnet" and the information for "Description" for the subnet range already registered is successfully updated. • Cancel: Appears when "Do Not Overwrite" is specified for "Operation for Already Existing Subnet" and no processing is performed. • Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
Network Address	Displays the network address.
Subnet Mask	Displays the subnet mask.
Description	Displays the description of the subnet.

3.17.4 Exporting subnet data

Subnet data can be written as a file. Subnet information can also be registered by temporarily saving the registered information or adding subnet information in the correct format, then importing it.

- 1 On the Subnet Setting page, click the [Export] button.

The Export Subnet page appears.



- 2 Select the type of file you want to export from the [File format] drop-down list.
 - When specifying a read password for a file to be exported, select the "Set password and export." check box, and enter a password.
 - A password of 1-15 characters can be set for files in the Excel 97-2003 Workbook format (.xls).
 - A password of 1-255 characters can be set for files in the Excel Workbook format (Office Excel 2007 or later) (.xlsx).
 - To clear the entered information, click the [Clear] button.
- 3 Click the [Start Export] button.

The File Download dialog box appears.
- 4 In the File Download dialog box, click the [Save] button.
- 5 Specify the location where the file is to be saved, and then click the [Save] button.
- 6 In the Download complete dialog box, click the [Close] button.

The exported data is saved in the specified location.

**Reminder**

The exported data can be viewed and edited in a spreadsheet application or text editor.

For details on editing the export file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

3.18 Detail Settings

SNMP communication settings, naming rules for registered device name, status information of devices to be managed, and counter information collection interval can be specified.

- 1 On the Top Menu page, click the [Device List] button.
- 2 Click [Detail Settings] in the menu.
- 3 Specify the necessary settings, and then click the [Apply] button.

<SNMP Settings>

Function	Details
Timeout	Type in the length of waiting time (in milliseconds, 1/1000 second) until a connection to the device is established. The default is "500".
Retry	Type in the number of times the operation is retried when the connection to the device fails. The default is "0".



Reminder

If the connection to the device fails or timeout occurs, increase the value for "Timeout" and verify it.

<Naming Rule>

Function	Details
Registered Name	If a device is registered by Device Discovery, the registered name for the device is automatically specified. Select the naming rules for the registered name.

Function	Details
Change the registered name for all devices.	Select this check box to change all the registered device names based on the naming rules.

<Polling Settings>

Function	Details
Status Polling Interval	Specify the interval to collect the status information of the device list.
Counter Polling Interval	Specify the interval to collect the counter information of the counter list.

4 User List

4.1 User List

4.1.1 Available operations in the User List page

From the User List page, settings can be specified with the following.

Function	Details
[Register User] button	Click this button to register a new user.
[Edit User] button	Click this button to edit the information for a registered user.
[Delete User] button	Click this button to delete a registered user.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
[Import] button	Click this button to import user information to register the users.
[Export] button	Click this button to export the information for the currently registered users and save it.
Display Settings	Click this button, and then select the items to be displayed in the user list.
Display Details	Select a category of each user to be displayed in the list.
Search Condition	Specify the condition for narrowing users to be displayed in the list.



Note

The user name is not case-sensitive. For example, "USER1" and "user1" are considered to be the same user name.

4.1.2 Viewing the user list

The list of registered users can be viewed.

- 1 From the [User Group] drop-down list, select the user group to be displayed.
 - To display all users, select "All Users".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box in [Display Details] to display all users, including those in subordinate groups.
 - To narrow users to be displayed in the list, specify the search condition. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.
- 2 Click the [Display] button.

A list of users registered in the selected group appears.

The screenshot shows the 'User List' interface. At the top, there is a 'User Group' dropdown menu set to 'All Users'. Below it, the 'Display Details' section has a checkbox for 'All subgroups' which is unchecked. The 'Search Condition' dropdown is set to 'User Name' with an empty search text box and a 'Display' button. A toolbar contains buttons for 'Register User', 'Edit User', 'Delete User', 'Display Settings', 'Select All', 'Import', and 'Export'. The status bar shows 'Total: 1-10/11' and a pagination control with links for 10, 20, 30, 50, and 100. Below the toolbar is a table with the following data:

Select	User Name	User Group Name	Description	E-mail Address
<input type="checkbox"/>	user01	UsrGrp01		
<input type="checkbox"/>	user02	UsrGrp01		
<input type="checkbox"/>	user03	UsrGrp02		
<input type="checkbox"/>	user04	UsrGrp03		
<input type="checkbox"/>	user05	UsrGrp03		
<input type="checkbox"/>	user06	UsrGrp03		
<input type="checkbox"/>	user07	OTHER		
<input type="checkbox"/>	user08	OTHER		
<input type="checkbox"/>	user09	OTHER		
<input type="checkbox"/>	user10	OTHER		

4.1.3 Specifying display settings for the user list

The items to be displayed or hidden in the user list can be selected. Settings can be specified for the following parameters.

- User Name
- Description
- E-mail Address
- User Group Name



Reminder

The user name must be displayed.

- Select the check box for the items to be displayed, and then click the [Apply] button.



4.1.4 Registering a new user

New users can be registered. The following information is required for registration.

Function	Details
User Group Name	From the drop-down list, select the group to belong to. If the group does not exist, register the group before starting this operation. For details on registering groups, refer to "Registering and editing groups" on page 4-36.
User Name	Type in a user name.
Description	Type in a description of the user.
Password	Type in the password necessary for logging on to Enterprise Suite. For confirmation, type in the password again.
E-mail Address	Type in the E-mail address of the user.



Note

Special single-byte characters are treated as double-byte characters.

- Specify the settings necessary for registering the user, and then click the [Apply] button.

- To clear the entered information, click the [Clear] button.

The screenshot shows a web form titled "Create/Edit User". At the top right, there are three icons: a refresh icon, a save icon, and a help icon. The form contains the following fields:

- User Group Name:** A dropdown menu with "OTHER" selected.
- User Name:** A text input field with a label "[Required] Max: 64 chars".
- Description:** A text input field with a label "Max: 127 chars".
- Password:** A text input field with a label "Max: 64 chars".
- Password (Confirmation):** A text input field with a label "Max: 64 chars".
- E-mail Address:** A text input field with a label "Max: 129 chars".

At the bottom right, there are two buttons: "Apply" and "Clear".

4.1.5 Editing user information

The information for registered users can be viewed and edited.

- Specify the settings for the user information to be edited, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.
 - To change the password, click the [Change Password] button.

The screenshot shows the same "Create/Edit User" form, but with the following changes:

- User Group Name:** The dropdown menu now shows "UsrGrip01".
- User Name:** The text input field now contains "user01".
- Description:** The text input field is empty, with a label "Max: 127 chars".
- Password:** The text input field is empty, with a label "Max: 64 chars". A "Change Password" button is visible next to the field.
- E-mail Address:** The text input field is empty, with a label "Max: 129 chars".

The "Apply" and "Clear" buttons remain at the bottom right.



Reminder

For details on the settings, refer to "Registering a new user" on page 4-3.



Reminder

Information of multiple users can also be edited at one time. For details, refer to "Editing information of multiple users" on page 4-5.

4.1.6 Editing information of multiple users

The information for multiple registered users can be edited. The following information can be edited.

Function	Details
User Group Name	From the drop-down list, select the group to belong to. If the group does not exist, register the group before starting this operation. For details on registering groups, refer to "Registering and editing groups" on page 4-36.
Description	Type in a description of the user.

- 1 In the User List page, select the user to be edited, and then click the [Edit User] button.

The User Batch Edit page appears.

- 2 Select the check boxes for user information to be changed.
- 3 Specify settings, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.



Reminder

If there are too many users, it may take time to register them.

4.1.7 Deleting a user

The information for the selected user can be deleted.



Note

When this operation is performed, all data for the user is deleted from the database.

- 1 In the User List page, select the user to be deleted, and then click the [Delete User] button.
- 2 Check the message that appears, and then click the [OK] button to delete the template.

The user is deleted.



Reminder

If there are too many users, it may take time to register them.

4.1.8 Importing data

The data for the user information can be imported.

The data can be imported by selecting one of the following options.

Function	Details
Import from file	Select this option to import user group and user information from a specified file.
Import from device	Select this option to import user information from a specified device.

→ Select the import method, and then click the [Next] button.

Import Source

Please select the import object.

Import from file

Import from device

4.1.9 Importing from a file

Select this option to import user information or user group data already saved in a file and register user information. Specify settings for the following parameters when importing.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)
- Binary format (system file) (.bin)



Note

- 10,001 or more data items cannot be imported. The number of data items must not exceed 10,000.
- If there are too many users, it may take time to register them.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
Operation for Already Existing Users/User Groups	Select whether or not to overwrite the information in "User Group Name", "Description", "Password" and "E-mail Address" if another user has already been registered with the same name as an imported user. Also, select whether or not to overwrite the information in "Parent User Group Name" and "Description" if there is already an imported user group with the same name.
Import the file which is secured by password.	Specify this option to import a file with the read or encryption password specified. Select the [Import the file which is secured by password.] check box, and then type in the password specified for the file in [Password].

- Specify the settings necessary for importing, and then click the [Start Import] button.

- To clear the entered information, click the [Clear] button.

The result of the import operation appears.



...

Note

Incorrect information may be imported if the entry in the "Password" box is not correct.



...

Reminder

For details on the result page, refer to "Checking the import result" on page 4-11.

4.1.10 Creating a file to be imported

A file to be imported can be created using a spreadsheet application.



...

Reminder

You can create an import file by clicking the [Export] button to export a file, then entering the data.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

- 1 Open data in the spreadsheet application.
- 2 Create data, and then save it as a new file.
 - To save data, set the file type to the importable one with Enterprise Suite.
 - When data is saved in the text (tab-delimited) format (.txt) or CSV (comma-delimited) format (.csv), change the character code of a file to UTF-8. To select a character code, click "Accessories" - "Notepad" to open the saved file, and save it as a new file.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)
- Binary format (system file) (.bin)

1	##TableName	UserAuth				
2	##DispName	User Group Name	User Name	Description	Password	E-mail Address
3	##CharacterLimit	256chars	64chars	127chars	64chars	129chars
4	##DataName	TrackName	User Name	Description	UserPassword	MailAddress
		UserGrp01	user01			User01@example.jp
		UserGrp01	user02			User02@example.jp
		UserGrp02	user03			User03@example.jp
		UserGrp03	user04			User04@example.jp
		UserGrp03	user05			User05@example.jp
5		UserGrp03	user06			User06@example.jp
		OTHER	user07			User07@example.jp
		OTHER	user08			User08@example.jp
		OTHER	user09			User09@example.jp
		OTHER	user10			User10@example.jp
		OTHER	user11			User11@example.jp
10	##TableName	Track				
11	##DispName	Parent User Group Name	User Group Name	Description		
12	##CharacterLimit	256chars	256chars	127chars		
13	##DataName	ParentTrackName	TrackName	Description		
		UsrGrp01	UserGrp01			
			UserGrp02			
			UserGrp03			
			OTHER	Other		

No.	Required	Function	Details
1	<input type="radio"/>	##TableName	Indicates user and authentication data. Type in "##TableName" and "UserAuth" to the right of the first column of the first row.
2		##DispName	Enter item titles to be displayed in a page. Type in "##DispName", "User Group Name", "User Name", "Description", "Password", and "E-mail Address" to the right of the first column of the second row.
3		##CharacterLimit	Type in the number of characters for each item. Type in "##CharacterLimit", "256chars", "64chars", "127chars", "64chars", and "129chars" to the right of the first column of the third row.
4	<input type="radio"/>	##DataName	Enter item titles to perform the database-based management. Type in "##DataName", "TrackName", "UserName", "Description", "UserPassword", and "MailAddress" to the right of the first column of the fourth row.
5		User Group Name	Type in the name of the group that the user belongs to.
6	<input type="radio"/>	User Name	Type in the user name.

No.	Required	Function	Details
7		Description	Type in a description of the user.
8		Password	Type in the password necessary for logging on.  ... Note <i>All files exported with [Export] have a password of "+". To change the password, remove "+" and type in a new password.</i> <i>If you do not want to change the password, leave it as it is.</i> <i>To add a new password, a plus sign ("+") cannot be used.</i>
9		E-mail Address	Type in the e-mail address of the user.
10	<input type="radio"/>	##TableName	Indicates the user group data. Type in "##TableName" and "Track" to the right of the first column.
11		##DispName	Enter item titles to be displayed in a page. Type in "##DispName", "Parent User Group Name", "User Group Name", and "Description" to the right of the first column.
12		##CharacterLimit	Type in the number of characters for each item. Enter "## CharacterLimit", "256chars", "256chars", and "127chars" to the right of the first column.
13	<input type="radio"/>	##DataName	Enter item titles to perform the database-based management. Type in "## DataName", "ParentTrackName", "TrackName", and "Description" to the right of the first column.
14		Parent User Group Name	Type in the name of the parent user group.
15	<input type="radio"/>	User Group Name	Type in a user group name.
16		Description	Type in a description of the user group.

**Note**

The four rows following "##TableName" contain basic information for the data. Do not change the data in these rows. Enter the data for the user by starting with the fifth row.

Be sure to enter data for the items marked as "Required".

4.1.11 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.

Import Result

Import Result [User]
Import processing complete.
Total: 1-5/11

Result	User Name	Description	E-mail Address	User Group Name
Update	user01		User01@example.jp	UsrGrp01
Update	user02		User02@example.jp	UsrGrp01
Update	user03		User03@example.jp	UsrGrp02
Update	user04		User04@example.jp	UsrGrp03
Update	user05		User05@example.jp	UsrGrp03

Import Result [User Group]
Import processing complete.
Total: 1-3/3

Result	Parent User Group Name	User Group Name	Description
Update		UsrGrp01	
Update	UsrGrp01	UsrGrp02	
Update		UsrGrp03	

[OK]

<Import Result [User]>

Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing.</p> <p>Displays the following results.</p> <ul style="list-style-type: none"> Registration Completed: The new registration was successfully completed. Update: Appears when "Overwrite" is specified for "Operation for Already Existing Users/User Groups" and the information for "Description", "E-mail Address", "User Group Name" and "Password" for the existing user having the same name is successfully updated. Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Users/User Groups" and no processing is performed since the same user name already exists. Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
User Name	Displays the name of the user.
Description	Displays the description of the user.
E-mail Address	Displays the e-mail address.
User Group Name	Displays the name of the group that the user belongs to.

<Import Result [User Group]>

Function	Details
Result	Displays whether the registration operation was successfully completed from importing. Displays the following results. <ul style="list-style-type: none">• Registration Completed: The new registration was successfully completed.• Update: Appears when "Overwrite" is specified for "Operation for Already Existing Users/User Groups" and the information for "Parent User Group Name" and "Description" for the existing user group having the same name is successfully updated.• Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Users/User Groups" and no processing is performed since the same user group name already exists.• Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
Parent User Group Name	Displays the name of the parent user group.
User Group Name	Displays the user group name.
Description	Displays the description of the group.

**Reminder**

User groups in the OTHER group cannot be imported.

4.1.12 Importing from a device

Select this option to import user information from a specified device.



The screenshot shows a dialog box titled "Import from a Device". It features a "Device Group" dropdown menu currently set to "All Devices". Below this is a "Display Details" section with a checkbox for "All subgroups" which is unchecked. The "Search Condition" is set to "Registered Name" with an adjacent empty text input field and a "Display" button. At the bottom of the dialog, there is an "Execute" button and a message box that reads "Device of the selected group is displayed."

Displaying the list of devices to be imported

Display the device list, and then select a device to be imported.

- 1 From the [Device Group] drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.
 - The drop-down list does not display any devices that cannot be imported.

2 Click the [Display] button.

Import from a Device

Device Group: All Devices

Display Details: All subgroups

Search Condition: Registered Name

Display

Execute

Total: 1-10/99 [10] 20 30 50 100

<< ≤ 1 /10 >> Go

Select	Registered Name	Model Name
<input checked="" type="radio"/>	Device01/10.128.34.1	Device
<input type="radio"/>	Device02/10.128.34.2	Device
<input type="radio"/>	Device04/10.128.34.4	Device
<input type="radio"/>	Device05/10.128.34.5	Device
<input type="radio"/>	Device06/10.128.34.6	Device
<input type="radio"/>	Device07/10.128.34.7	Device
<input type="radio"/>	Device08/10.128.34.8	Device
<input type="radio"/>	Device09/10.128.34.9	Device
<input type="radio"/>	Device11/10.128.34.11	Device
<input type="radio"/>	Device12/10.128.34.12	Device

A list of devices registered in the selected group appears.

3 Select a device to be imported, and then click the [Execute] button.

Connecting to the device is attempted. If the connection is successfully completed, the Select User page appears.



Reminder

If the connection fails, check the following: If the setting is incorrect, a part of the information may be imported.

- Power supply of the device
- Device settings (FTP/HTTP/WebDAV)
- Settings on the "Device Information Settings" page for the Device List



Note

Use a global address for IPv6 address.

Some functions may not be available if any address other than the global address is used.

Selecting the user to be imported

A list of user information registered in the specified devices appears. The user to be imported can be selected, and then importing can be started.

Specify settings for the following parameters when importing.

Function	Details
Operation for Already Existing Users	Select whether or not to overwrite the information in "Password" and "E-mail Address" if another user has already been registered with the same name as an imported user.
Search Condition	Specify the condition for narrowing users to be displayed in the list.
[Start Import] button	Click this button to start importing the user.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.

- Select the user to be imported.
 - To narrow users to be displayed in the list, specify the search condition. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box. To display the list of users according to the specified condition, click the [Display] button.
- Specify the settings necessary for importing, and then click the [Start Import] button.

Select User

Operation for Already Existing Users: Do not Overwrite

Search Condition: User Name

Total: 1-10/13 [10] 20 30 50 100

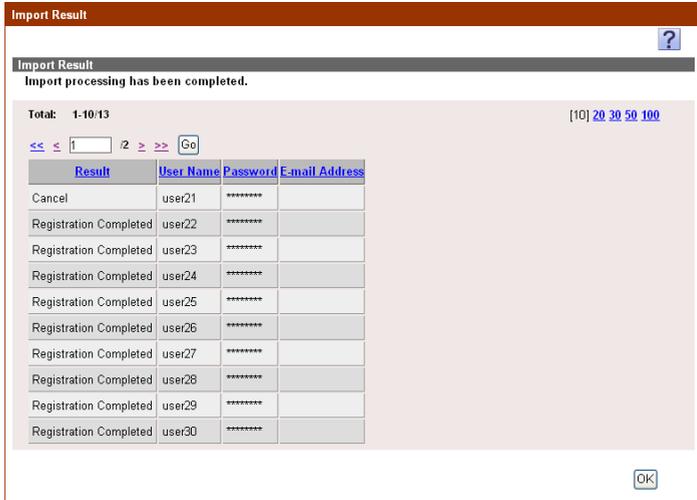
<< < | /2 >> >>

Select	User Name	Password	E-mail Address
<input checked="" type="checkbox"/>	user21	*****	
<input checked="" type="checkbox"/>	user22	*****	
<input checked="" type="checkbox"/>	user23	*****	
<input checked="" type="checkbox"/>	user24	*****	
<input checked="" type="checkbox"/>	user25	*****	
<input checked="" type="checkbox"/>	user26	*****	
<input checked="" type="checkbox"/>	user27	*****	
<input checked="" type="checkbox"/>	user28	*****	
<input checked="" type="checkbox"/>	user29	*****	
<input checked="" type="checkbox"/>	user30	*****	

The result of the import operation appears.

4.1.13 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



<Import Result>

Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing. Displays the following results.</p> <ul style="list-style-type: none"> • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Users" and the information for "E-mail Address" and "Password" for the existing user having the same name is successfully updated. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Users" and no processing is performed since the same user name already exists. • Error: Registration was failed due to incorrect contents of the file.
User Name	Displays the name of the user.
Password	Displays the password. Eight asterisks (*) are displayed for the password.
E-mail Address	Displays the e-mail address.

4.1.14 Exporting data

The user information and user group information can be exported to a file. User information can also be registered by temporarily saving the registered information or adding user information in the correct format, then importing it.

Specify settings for the following parameters when exporting.

Function	Details
File format	<p>Select the type of file to be saved. The following file formats are available.</p> <ul style="list-style-type: none"> • Excel 97-2003 Workbook format (.xls) • Excel Workbook format (Office Excel 2007 or later)(.xlsx) • XML spreadsheet format (XML format that can be read by Excel) (.xml) • Text format (tab delimited) (.txt) • CSV format (comma delimited) (.csv) <p>The character code for the text (tab-delimited) or CSV (comma-delimited) file type is UTF-8.</p>
Set password and export.	<p>Select this option to specify a read or encryption password for a file to be exported. Select the [Set password and export.] check box, and specify a password in [Password]. For confirmation, type in the password again. When importing the encrypted file, this password must be typed in correctly.</p>

- 1 From the [Select User Group] drop-down list, select the user group to be exported.
 - To export all users, select "All Users".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to export all users, including those in subordinate groups.

- 2 Select the type of file you want to export from the [File format] drop-down list.
 - When specifying a read or encryption password for a file to be exported, select the "Set password and export." check box to enter a password.
 - A password of 1-15 characters can be set for files in the Excel 97-2003 Workbook format (.xls).
 - A password of 1-255 characters can be set for files in the Excel Workbook format (Office Excel 2007 or later) (.xlsx).
 - A password of 1-32 characters can be specified for files in the Binary format (system file) (.bin).

- To clear the entered information, click the [Clear] button.

- 3 Click the [Start Export] button.
The File Download dialog box appears.
- 4 In the File Download dialog box, click the [Save] button.
- 5 Specify the location where the file is to be saved, and then click the [Save] button.
- 6 In the Download complete dialog box, click the [Close] button.
The exported data is saved in the specified location.



Reminder

The exported data can be viewed and edited in a spreadsheet application.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.



Reminder

When opening a file for which XLS or XLSX is selected in "File format" while a password is specified, enter an import password.

4.2 Account Track List

4.2.1 Available operations in the Account Track List page

From the Account Track List page, settings can be specified with the following.

Function	Details
[Register] button	Click this button to register a new account track.
[Edit] button	Click this button to edit the information for a registered account track.
[Delete] button	Click this button to delete a registered account track.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.
[Import] button	Click this button to import account tracks information to register the account tracks.
[Export] button	Click this button to export the information for the currently registered account tracks and save it.
Search Condition	Specify the condition for narrowing account tracks to be displayed in the list.



...

Note

For the account name, specify the same account name registered from the device control panel.

The account name is not case-sensitive. For example, "PROJECT1" and "project1" are considered to be the same account name.



...

Reminder

To narrow account tracks to be displayed in the list, specify the search condition. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box. To display the list of account tracks according to the specified condition, click the [Display] button.

4.2.2 Displaying the account track list

The list of registered account tracks can be viewed.

- 1 From the [Account Group] drop-down list, select the account group to be displayed.
 - To display all account tracks, select "All Accounts".
 - If master/subordinate relationships are specified in the group, select the [All subgroups] check box in [Display Details] to display all account tracks, including those in subordinate groups.
 - To narrow account tracks to be displayed in the list, specify the search condition. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box. To display the list of account groups according to the specified condition, click the [Display] button.
- 2 Click the [Display] button.

A list of account tracks registered in the selected group appears.

Select	Account Name	Account Group Name	Description
<input type="checkbox"/>	Project01	AccountGroup01	Description01
<input type="checkbox"/>	Project02	AccountGroup02	Description02
<input type="checkbox"/>	Project03	AccountGroup03	Description03
<input type="checkbox"/>	Project04	AccountGroup04	Description04
<input type="checkbox"/>	Project05	AccountGroup05	Description05
<input type="checkbox"/>	Project06	AccountGroup01	Description06
<input type="checkbox"/>	Project07	AccountGroup02	Description07
<input type="checkbox"/>	Project08	AccountGroup03	Description08
<input type="checkbox"/>	Project09	AccountGroup04	Description09
<input type="checkbox"/>	Project10	AccountGroup05	Description10

The following items are displayed in the account track list.

Function	Details
Account Name	Displays the account name.
Account Group Name	Displays the name of the group to belong to.
Description	Displays the description of the account.

4.2.3 Registering a new account track

A new account track can be registered. The following information is required for registration.

Function	Details
Account Group Name	Select the account group to belong to.
Account Name	Type in an account name.
Description	Type in a description of the account track.
Password	Type in the password. For confirmation, type in the password again.

- Specify the settings necessary for registering the account track, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.

Create/Edit Account Track

Account Group Name: AccountGroup01

Account Name: [Required] Max: 32 chars

Description: Max: 255 chars

Password: Max: 64 chars

Password (Confirmation): Max: 64 chars

Apply Clear

4.2.4 Editing an account track

The information for registered account tracks can be viewed and edited.

- Specify the settings for the account track information to be edited, and then click the [Apply] button.
 - To clear the entered information, click the [Clear] button.
 - To change the password, click the [Change Password] button.



Reminder

For details on the settings, refer to "Registering a new account track" on page 4-21.

4.2.5 Deleting an account track

The selected account track information can be deleted.

- 1 In the Account Track List page, select an account track to be deleted, and then click the [Delete] button.
- 2 Check the message that appears, and then click the [OK] button to delete the template.

The account track is deleted.

4.2.6 Importing data

The data for the account track and account group information can be imported.

The data can be imported by selecting one of the following options.

Function	Details
Import from file	Select this option to import account track information from a specified file.
Import from device	Select this option to import account track information from a specified device.

→ Select the import method, and then click the [Next] button.



4.2.7 Importing from a file

Select this option to import and register account track and account group information that was saved in a file in advance. Specify settings for the following parameters when importing.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)
- Binary format (system file) (.bin)



Note

- 3001 or more data items cannot be imported. The number of data items must not exceed 3000.
- If there are too many data items, it may take time to configure device data setting.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
Operation for Already Existing Account Tracks	Select whether or not to overwrite the information in "Description" and "Password" if another account track has already been registered with the same name as an imported account track.
Import the file which is secured by password.	Specify this option to import a file with the read or encryption password specified. Select the [Import the file which is secured by password.] check box, and then type in the password specified for the file in [Password].

- Specify the settings necessary for importing, and then click the [Start Import] button.
 - To clear the entered information, click the [Clear] button.

The result of the import operation appears.



...

Note

Incorrect information may be imported if the entry in the "Password" box is not correct.



...

Reminder

For details on the result page, refer to "Checking the import result" on page 4-27.

4.2.8 Creating a file to be imported

A file to be imported can be created in a spreadsheet application.



...

Reminder

You can create an import file by clicking the [Export] button to export a file, then entering the data.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

- 1 Open data in the spreadsheet application.

- 2 Create data, and then save it as a new file.
 - To save data, set the file type to the importable one with Enterprise Suite.
 - When data is saved in the text (tab-delimited) format (.txt) or CSV (comma-delimited) format (.csv), change the character code of a file to UTF-8. To select a character code, click "Accessories" - "Notepad" to open the saved file, and save it as a new file.



Reminder

The importable file formats are as follows.

- Excel 97 to Excel 2003 book formats (.xls)
- Excel book format (Office Excel 2007 or later) (.xlsx)
- XML spreadsheet format (XML format available for Excel) (.xml)
- Text (tab-delimited) format (.txt)
- CSV (comma-delimited) format (.csv)
- Binary format (system file) (.bin)

	A	B	C	D	E
1	##TableName	AccountTrackList			
2	##DispName	Account Group Name	Account Name	Description	Password
3	##DataName	AccountGroupName	AccountName	Description	Password
4		AccountGroup01	Account01		+
5		AccountGroup02	Account02		+
6		4	5	6	7
8	##TableName	AccountGroup			
9	##DispName	Parent Account Group Name	Account Group Name	Description	
10	##DataName	ParentAccountGroupName	AccountGroupName	Description	
11		AccountGroup01	AccountGroup01		
		AccountGroup02	AccountGroup02		

No.	Required	Function	Details
1	<input type="radio"/>	##TableName	Indicates that data is for account track. Type in "##TableName" and "AccountTrackList" to the right of the first column of the first row.
2	<input type="radio"/>	##DispName	Enter item titles to be displayed in a page. Type in "##DispName", "Account Group Name", "Account Name", "Description," and "Password" to the right of the first column of the second row.
3	<input type="radio"/>	##DataName	Enter item titles to perform the database-based management. Type in "##DataName", "AccountGroupName", "AccountName", "Description", and "Password" to the right of the first column of the third row.

No.	Required	Function	Details
4		Account Group Name	Type in the account group to belong to.
5	<input type="radio"/>	Account Name	Type in an account name.
6		Description	Type in the description of the account track.
7		Password	Type in the account track password.  ... Note <i>All files exported with [Export] have a password of "+". To change the password, remove "+" and type in a new password.</i> <i>If you do not want to change the password, leave it as it is.</i> <i>To add a new password, a plus sign ("+") cannot be used.</i>
8	<input type="radio"/>	##TableName	Indicates that data is for account group information. Type in "##TableName" and "AccountGroup" from the first column to the right.
9		##DispName	Type in item titles to be displayed in a page. Type in "##DispName", "Parent Account Group Name", "Account Group Name", and "Description" from the first column to the right.
10	<input type="radio"/>	##DataName	Type in item titles to perform database-based management. Type in "##DataName", "ParentAccountGroupName", "AccountGroupName", and "Description" from the first column to the right.
11		Parent Account Group Name	Type in the name of the parent account group.
12	<input type="radio"/>	Account Group Name	Type in the account group name.
13		Description	Type in the description of the account group.



Note

The three rows following "##TableName" contain basic information for the data. Do not change the data in these rows. Enter the detailed data of an account track by starting with column B on the next row of "##DataName".

Be sure to enter data for the items marked as "Required".

4.2.9 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.

Import Result ?

Import Result [Account Track]
Import processing complete.

Total: 1-5/11 [5] [10](#) [15](#) [25](#) [50](#)

<< < 1 /3 > >>

Result	Account Name	Description	Account Group Name
Registration Completed	Project01	Description01	AccountGroup01
Registration Completed	Project02	Description02	AccountGroup02
Registration Completed	Project03	Description03	AccountGroup03
Registration Completed	Project04	Description04	AccountGroup04
Registration Completed	Project05	Description05	AccountGroup05

Import Result [Account Group]
Import processing complete.

Total: 1-5/11 [5] [10](#) [15](#) [25](#) [50](#)

<< < 1 /3 > >>

Result	Parent Account Group Name	Account Group Name	Description
Registration Completed	ParentAccountGroup01	AccountGroup01	Description01
Registration Completed	ParentAccountGroup02	AccountGroup02	Description02
Registration Completed	ParentAccountGroup03	AccountGroup03	Description03
Registration Completed	ParentAccountGroup04	AccountGroup04	Description04
Registration Completed	ParentAccountGroup05	AccountGroup05	Description05

<Import Result [Account Track]>

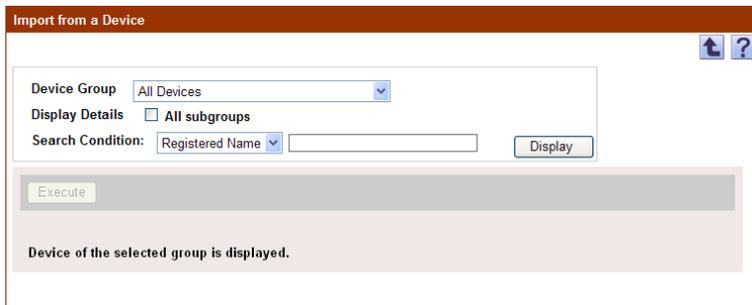
Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing.</p> <p>Displays the following results.</p> <ul style="list-style-type: none"> • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Account Tracks" and the information for "Description" and "Password" for the existing account track having the same name is successfully updated. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Account Tracks" and no processing is performed since the same account name already exists. • Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
Account Name	Displays the account name.
Description	Displays the description of the account track.
Account Group Name	Displays the account group name.

<Import Result [Account Group]>

Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing.</p> <p>The result is shown as follows.</p> <ul style="list-style-type: none"> • Registration Completed: Appears when a new registration was normally completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Account Tracks" and update of the information for "Parent Account Group Name" and "Description" for the exiting account group name were normally completed. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Account Tracks" and no processing is performed since the same account group name already exists. • Error: Appears when the entered data is inappropriate and cannot be registered. Recheck the contents of the import file.
Parent Account Group Name	Displays the name of the parent account group.
Account Group Name	Displays the account group name.
Description	Displays the description of the group.

4.2.10 Importing from a device

Account track information can be imported from a specified device.



Import from a Device

Device Group: All Devices

Display Details: All subgroups

Search Condition: Registered Name

Display

Execute

Device of the selected group is displayed.

Displaying the list of devices to be imported

Display the device list and select a device to be imported.

- 1 From the [Device Group] drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.
 - The drop-down list does not display any devices that cannot be imported.

2 Click the [Display] button.

A list of devices registered in the selected group appears.

Import from a Device

Device Group: All Devices

Display Details: All subgroups

Search Condition: Registered Name

Execute

Total: 1-10/99 [10] 20 30 50 100

Select	Registered Name	Model Name
<input checked="" type="radio"/>	Device01/10.128.34.1	Device
<input type="radio"/>	Device02/10.128.34.2	Device
<input type="radio"/>	Device04/10.128.34.4	Device
<input type="radio"/>	Device05/10.128.34.5	Device
<input type="radio"/>	Device06/10.128.34.6	Device
<input type="radio"/>	Device07/10.128.34.7	Device
<input type="radio"/>	Device08/10.128.34.8	Device
<input type="radio"/>	Device09/10.128.34.9	Device
<input type="radio"/>	Device11/10.128.34.11	Device
<input type="radio"/>	Device12/10.128.34.12	Device

3 Select a device to be imported, and then click the [Execute] button.

Connecting to the device is attempted. If the connection is successfully completed, the Select Account Track page appears.



Reminder

If the connection fails, check the following: If the setting is incorrect, a part of the information may be imported.

- Power supply of the device
- Device settings (FTP/HTTP/WebDAV)
- Settings on the "Device Information Settings" page for the Device List



Note

Use a global address for IPv6 address.

Some functions may not be available if any address other than the global address is used.

Selecting the account track to be imported

A list of account track information registered in the specified devices appears. The account track to be imported can be selected, and then importing can be started.

Specify settings for the following parameters when importing.

Function	Details
Operation for Already Existing Account Tracks	Select whether or not to overwrite the information in "Password" if another account track has already been registered with the same name as an imported account.
Search Condition	Specify the condition for narrowing account tracks to be displayed in the list.
[Start Import] button	Click this button to start importing the account track.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.

- 1 Select the account track to be imported.
 - To narrow account tracks to be displayed in the list, specify the search condition. Type in the text to be searched for in the text box. To display the list of account tracks according to the specified condition, click the [Display] button.
- 2 Specify the settings necessary for importing, and then click the [Start Import] button.

Select Account Track

Operation for Already Existing Account Tracks:

Search Condition: Account Name

Total: 1-10/11 [10] 20 30 50 100

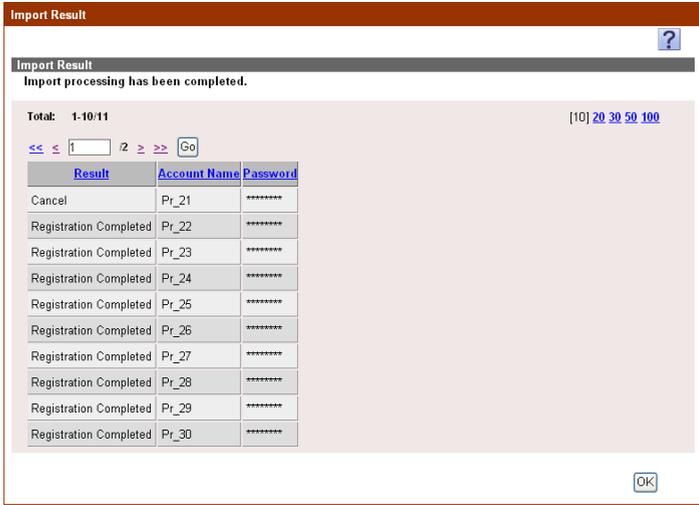
<< ≤ 1 > ≥ 2 >>

Select	Account Name	Password
<input checked="" type="checkbox"/>	Pr_21	*****
<input checked="" type="checkbox"/>	Pr_22	*****
<input checked="" type="checkbox"/>	Pr_23	*****
<input checked="" type="checkbox"/>	Pr_24	*****
<input checked="" type="checkbox"/>	Pr_25	*****
<input checked="" type="checkbox"/>	Pr_26	*****
<input checked="" type="checkbox"/>	Pr_27	*****
<input checked="" type="checkbox"/>	Pr_28	*****
<input checked="" type="checkbox"/>	Pr_29	*****
<input checked="" type="checkbox"/>	Pr_30	*****

The result of the import operation appears.

4.2.11 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



<Import Result>

Function	Details
Result	<p>Displays whether the registration operation was successfully completed from importing. Displays the following results.</p> <ul style="list-style-type: none"> • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Account Tracks" and update of the information for "Password" for the exiting account name were normally completed. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Account Tracks" and no processing is performed since the same account name already exists. • Error: Registration was failed due to incorrect contents of the file.
Account Name	Displays the account name.
Password	Displays the password. Eight asterisks (*) are displayed for the password.

4.2.12 Exporting data

The information for account tracks and account groups can be exported to a file. Account track information can also be registered by temporarily saving the registered information or adding account track information in the correct format, then importing it.

Specify settings for the following parameters when exporting.

Function	Details
File format	Select the type of file to be saved. The following file formats are available. <ul style="list-style-type: none"> • Excel 97-2003 Workbook format (.xls) • Excel Workbook format (Office Excel 2007 or later)(.xlsx) • XML spreadsheet format (XML format that can be read by Excel) (.xml) • Text format (tab delimited) (.txt) • CSV format (comma delimited) (.csv) The character code for the text (tab-delimited) or CSV (comma-delimited) file type is UTF-8.
Set password and export.	Select this option to specify a read or encryption password for a file to be exported. Select the [Set password and export.] check box, and specify a password in [Password]. For confirmation, type in the password again. When importing the encrypted file, this password must be typed in correctly.

- 1 From the [Select Account Group] drop-down list, select the account group to be exported.
 - To export all account tracks, select "All Accounts".
 - If master/subordinate relationships are specified in the group, select the [All subgroups] check box to export all account tracks, including those in subordinate groups.

- 2 Select the type of file you want to export from the [File format] drop-down list.
 - When specifying a read or encryption password for a file to be exported, select the "Set password and export." check box to enter a password.
 - A password of 1-15 characters can be set for files in the Excel 97-2003 Workbook format (.xls).
 - A password of 1-255 characters can be set for files in the Excel Workbook format (Office Excel 2007 or later) (.xlsx).
 - A password of 1-32 characters can be specified for files in the Binary format (system file) (.bin).
 - To clear the entered information, click the [Clear] button.

- 3 Click the [Start Export] button.
The File Download dialog box appears.
- 4 In the File Download dialog box, click the [Save] button.
- 5 Specify the location where the file is to be saved, and then click the [Save] button.
- 6 In the Download complete dialog box, click the [Close] button.
The exported data is saved in the specified location.



Reminder

The exported data can be viewed and edited in a spreadsheet application.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.

**Reminder**

When opening a file for which XLS or XLSX is selected in "File format" while a password is specified, enter an import password.

4.3 User Group Settings

4.3.1 Registering and editing groups

When registering and editing groups, settings for the following parameters can be specified.

Function	Details
User Group Name	Specify the user group name.
Description	Type in a description of the group.
Parent Group Name	To create master/subordinate relationships in the group, select the parent group. If master/subordinate relationships are not to be created, select "(Root)".

- 1 To register a new group, click the [Register Group] button.
 - To narrow users to be displayed in the list, specify the search condition. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box. Click the [Display] button to display user groups based on the specified condition.
 - To edit a group, select the group, and then click the [Edit Group] button.

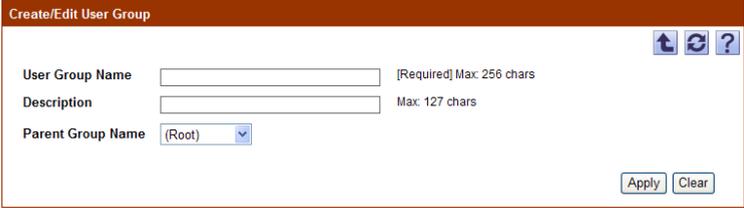
User Group Settings

Search Condition: User Group Name

Total: 1-4/4 [10] 20 30 50 100

Select	User Group Name	Description	Number of Users
<input type="checkbox"/>	UsrGrp01		2
<input type="checkbox"/>	UsrGrp02		1
<input type="checkbox"/>	UsrGrp03		3
	OTHER	Other	5

- 2 Specify the necessary settings, and then click the [Apply] button.
- To clear the entered information, click the [Clear] button.
 - When editing a group, the entry in the User Group Name cannot be changed.



The screenshot shows a dialog box titled "Create/Edit User Group". It contains three input fields: "User Group Name" (with a note "[Required] Max: 256 chars"), "Description" (with a note "Max: 127 chars"), and "Parent Group Name" (a dropdown menu currently showing "(Root)"). There are three icons in the top right corner: a back arrow, a refresh icon, and a help icon. At the bottom right, there are "Apply" and "Clear" buttons.

Specifying display settings for the group list

The items to be displayed or hidden in the group list can be selected. Settings can be specified for the following parameters.

- User Group Name
- Description
- Number of Users



Reminder

The user group name must be displayed.

- Select the check box for the items to be displayed, and then click the [Apply] button.



The screenshot shows a dialog box titled "User Group Display Settings". It contains three checked checkboxes: "User Group Name", "Description", and "Number of Users". There are three icons in the top right corner: a back arrow, a refresh icon, and a help icon. At the bottom right, there are "Apply" and "Clear" buttons.

4.3.2 Deleting a group

A group can be deleted. All groups belonging to the group to be deleted will also be deleted.

- 1 In the User Group Settings page, select the group to be deleted, and then click the [Delete Group] button.
- 2 Check the message that appears, and then click the [OK] button to delete the template.

The group is deleted.

**Reminder**

The data for a user belonging to a group will not be deleted.

4.4 Account Group Settings

A group of the registered accounts can be created. The master/subordinate relationships can be created in a group according to organizations. Settings for the following parameters can be specified.

Function	Details
Register Group	Click this button to register account groups.
Edit Group	Click this button to edit a registered group.
Delete Group	Click this button to delete a registered group.
Display Settings	Select the items to be displayed in the group list.
Search Condition	Specify the condition for narrowing account groups to be displayed in the list. The account group list is displayed based on the conditions specified for "Search Condition". The master/subordinate relationships in the group are not displayed correctly since the account groups that do not meet the condition are not displayed.
Select All/Uncheck all	Click this button to select or uncheck all displayed settings.

4.4.1 Registering and editing groups

When registering and editing groups, settings for the following parameters can be specified.

Function	Details
Account Group Name	Type in an account group name.
Description	Type in a description of the group.
Change Parent Group	To create master/subordinate relationships in the group, select the parent group. If master/subordinate relationships are not to be created, select "(Root)".

- 1 To register a new group, click the [Register Group] button.

- To edit a group, select the group, and then click the [Edit Group] button.

Account Group Settings

Search Condition: Account Group Name [] [Display]

Register Group Edit Group Delete Group Display Settings

Select All

Total: 1-10/11 [10] 20 30 50 100

<< < 1 /2 > >> Go

Select	Account Group Name	Description	Number of Accounts
<input type="checkbox"/>	ParentAccountGroup01	Description01	0
<input type="checkbox"/>	AccountGroup01	Description01	2
<input type="checkbox"/>	ParentAccountGroup02	Description02	0
<input type="checkbox"/>	AccountGroup02	Description02	2
<input type="checkbox"/>	ParentAccountGroup03	Description03	0
<input type="checkbox"/>	AccountGroup03	Description03	2
<input type="checkbox"/>	ParentAccountGroup04	Description04	0
<input type="checkbox"/>	AccountGroup04	Description04	2
<input type="checkbox"/>	ParentAccountGroup05	Description05	0
<input type="checkbox"/>	AccountGroup05	Description05	2

2 Configure the necessary settings, and then click the [Apply] button.

- To clear the entered information, click the [Clear] button.
- The data in "Account Group Name" cannot be changed while editing the group.

Create/Edit Account Group

Account Group Name ParentAccountGroup01

Description Description01 Max: 127 chars

Parent Group Name (Root)

Apply Clear

Specifying display settings for the group list

The items to be displayed or hidden in the group list can be selected. Settings can be specified for the following parameters.

- Account Group Name
- Description
- Number of Accounts

**Reminder**

The account group name must be displayed.

- Select the check box for the items to be displayed, and then click the [Apply] button.

Account Group Display Settings

Account Group Name
 Description
 Number of Accounts

Apply Clear

4.4.2 Deleting a group

A group can be deleted. All groups belonging to the group to be deleted will also be deleted.

- 1 In the Account Group Settings page, select the group to be deleted, and then click the [Delete Group] button.
- 2 Check the message that appears, and then click the [OK] button to delete the group.
The group is deleted.

**Reminder**

The data for account tracks belonging to the group is not deleted; however, account tracks belonging to the group are changed to the "OTHER" group.

4.5 Administrator Settings

4.5.1 Specifying the administrator

Users who can use the user list with Administrator privileges can be selected. Settings can be specified for the following parameters.

Function	Details
Search Condition	Specify the condition for narrowing users to be displayed in the list.
[Add] button	Click this button to register additional users with Administrator privileges.
[Delete] button	Click this button to delete users with Administrator privileges.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.

4.5.2 Adding an administrator

- 1 Click the [Add] button.
- 2 From the [User Group] drop-down list, select the user group to be displayed.
 - To display all users, select "All Users".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all users, including those in subordinate groups.
 - Specifying the search condition can narrow down users to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.
- 3 Click the [Display] button.

A list of users registered in the selected group appears.

- 4 From the user list, select the check box for the user to be added.
- To cancel the selected settings, click the [Clear] button.

Select Additional Users

User Group: All Users

Display Details: All subgroups

Search Condition: User Name [] Display

Select All

Total: 1-10/11 [10] 20 30 50 100

<< 1 /2 >> Go

Select	User Name	User Group Name	Description
<input type="checkbox"/>	user01	UsrGrp01	
<input type="checkbox"/>	user02	UsrGrp01	
<input type="checkbox"/>	user03	UsrGrp02	
<input type="checkbox"/>	user04	UsrGrp03	
<input type="checkbox"/>	user05	UsrGrp03	
<input type="checkbox"/>	user06	UsrGrp03	
<input type="checkbox"/>	user07	OTHER	
<input type="checkbox"/>	user08	OTHER	
<input type="checkbox"/>	user09	OTHER	
<input type="checkbox"/>	user10	OTHER	

Apply Clear

- 5 Click the [Apply] button.
- The selected user is registered as an administrator.

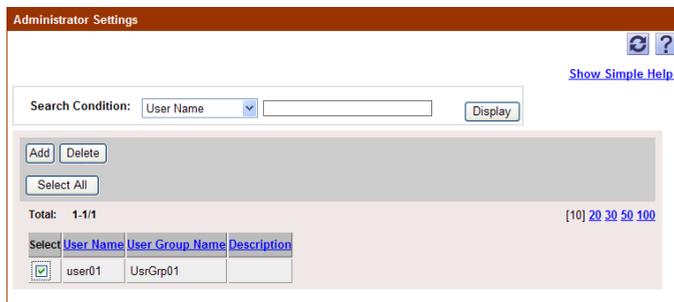


Reminder

Multiple users can be selected at the same time.

4.5.3 Deleting an administrator

- 1 In the Administrator Settings page, select the check box for the user to be deleted.



The screenshot shows the 'Administrator Settings' interface. At the top, there are refresh and help icons, and a link to 'Show Simple Help.'. Below that is a search section with a dropdown menu set to 'User Name', an empty search input field, and a 'Display' button. A toolbar contains 'Add', 'Delete', and 'Select All' buttons. The main area shows a table with one row: 'user01' in the 'User Name' column and 'UsrGrp01' in the 'User Group Name' column. The 'Select' column for this row has a checked checkbox. To the right of the table, it says 'Total: 1-1/1' and '[10] 20 30 50 100'.

- 2 Click the [Delete] button.
- 3 Check the message that appears, and then click the [OK] button to delete the template.

The selected user is deleted from the list of administrators.



Reminder

Multiple users can be selected at the same time.

4.6 Changing a password

The password for registered users can be changed.



Reminder

This option appears only when logged on as a registered user.

Change Password

Max: 64 chars

Max: 64 chars

[Show Simple Help.](#)

Apply

When changing a password, settings for the following parameters can be specified.

Function	Details
Password	Type in a new password.
Password (Confirmation)	For confirmation, type in the password again.

4.7 Detail Settings

If users and account tracks are registered in a device although they have not been registered in Device Manager when collecting the device counter, they are automatically registered in Device Manager.



The screenshot shows a window titled "Detail Settings" with a dark header bar. Below the header, there is a "Show Simple Help." link in blue text. A section titled "Auto Registration Settings" is highlighted with a dark background. Underneath, the "Auto Registration Items" section contains two checked checkboxes: "User" and "Account Track". At the bottom right of the window, there are two buttons: "Apply" and "Clear".

- In "Auto Registration Items", select check boxes for items that should be automatically registered in Device Manager.

5 Counter Reader

Tabulate counts, and view the usage status of the device.

5.1 Counter Information

5.1.1 Selecting the device

Select the device of which you want to view the counter information.

- 1 From the [Device Group] drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.
- 2 Click the [Display] button.

A list of devices registered in the selected group appears.

The screenshot shows the 'Counter Information' window. At the top, there are navigation tabs: 'Device Selection' (highlighted), 'Term Selection', and 'Result Display'. A 'Show Simple Help.' link is visible. Below the tabs, the 'Device Selection' section contains a 'Device Group' dropdown menu set to 'All Devices', a 'Display Details' section with a checked 'All subgroups' checkbox, and a 'Search Condition' dropdown set to 'Registered Name' with an empty text input box and a 'Display' button. Below this, a summary line shows 'Total: 1-10/99' and a pagination control with '<< < 1 /10 > >> Go' and a list of page numbers '[10] 20 30 50 100'. The main area is a table with columns 'Select', 'Registered Name', and 'Model Name'. The first row is selected with a radio button.

Select	Registered Name	Model Name
<input checked="" type="radio"/>	Device01/10.128.34.1	Device
<input type="radio"/>	Device02/10.128.34.2	Device
<input type="radio"/>	Device04/10.128.34.4	Device
<input type="radio"/>	Device05/10.128.34.5	Device
<input type="radio"/>	Device06/10.128.34.6	Device
<input type="radio"/>	Device07/10.128.34.7	Device
<input type="radio"/>	Device08/10.128.34.8	Device
<input type="radio"/>	Device09/10.128.34.9	Device
<input type="radio"/>	Device11/10.128.34.11	Device
<input type="radio"/>	Device12/10.128.34.12	Device

- 3 Select the device of which you want to view the counter information, and click the [Next] button.

5.1.2 Selecting a time period

Select a time period of which you want to view the counter information.

- Select the pattern for the time period and the basic day.
 - Select "Every 3 Months", "Every Month", "Every Week" or "Every Day" as the accounting period, and then select the time period.
 - Select a date in the "Basic Day" list, and then select whether the data is totaled "Account up to the Setting Date" or "Account from the Setting Date".
 - Click  to open the calendar control. Select a day in the "Basic Day" list by clicking the appropriate day in the calendar.

In the "Basic Day" list, only the dates of which the counter information was collected successfully from the devices are displayed. If counter information was not collected from the devices due to timeout or error, those dates are not displayed.

5.1.3 Displaying the result

Displays the counter information.

Counter Information

?

Device Selection → **Term Selection** → **Result Display**

Selected Device

Term

Counter

Counter Menu ▼

Result Display

Total: 1-10/35 [10] 20 30 50 100

Counter Name	12/22/2009	01/22/2010
Total	18	392
Large Size Total	0	0
No. of Duplexed Sheets	0	150
No. of Sheets	18	242
No. of Originals	18	451
Copy Total	0	0
Copy Black	0	0
Copy Full Color	0	0
Copy 2 Color	0	0
Copy Single Color	0	0

Function	Details
Selected Device	Displays the registered name of the selected device.
Term	Displays the selected time period.
Date	Displays the selected date.
User	Displays the selected user.
Account Track	Displays the selected account track.



Note

Depending on the counter type selected in [Counter Menu], some items may not be displayed.

<Counter>

By selecting the counter type, the displayed results can be changed. Select the counter type, and then click the [Display] button.

Function		Details
Counter Menu		Select the counter type to be displayed.
Total Counter	Displays the total counter.	
Size Counter	Displays the counter by each paper size.	
User Counter	Displays the counter by each user. Clicking the icon  next to the user name displays the counter information of the user in detail. Also, clicking the icon  next to the date displays the counter information of the date in detail.	
Account Track Counter	Displays the counter by each account track. Clicking the icon  next to the account name displays the counter information of the account track in detail. Also, clicking the icon  next to the date displays the counter information of the date in detail.	

<Result Display>

The counter information is displayed according to the specified settings.

Function	Details
[Export] button	Exports the counter information data.
Search Condition	Specifies the condition for narrowing users and account tracks to be displayed in the list.

Exporting

The counter information data can be exported to and saved in a file of the specified format.

Specify settings for the following parameters when exporting.

Function	Description
File format	Select the type of file to be saved. The following file formats are available. <ul style="list-style-type: none"> • Excel 97-2003 Workbook format (.xls) • Excel Workbook format (Office Excel 2007 or later)(.xlsx) • XML spreadsheet format (XML format that can be read by Excel) (.xml) • Text format (tab delimited) (.txt) • CSV format (comma delimited) (.csv) The character code for the text (tab-delimited) or CSV (comma-delimited) file type is UTF-8.

Function	Description
Set password and export.	Specify a read password for a file to be exported. Select the [Set password and export.] check box, and specify a password in [Password].

- 1 Select the type of file you want to export from the [File format] drop-down list.
 - When specifying a read password for a file to be exported, select the "Set password and export." check box, and enter a password.
 - To clear the entered information, click the [Clear] button.
- 2 Click the [Start Export] button.
The File Download dialog box appears.

- 3 In the File Download dialog box, click the [Save] button.
- 4 Specify the location where the file is to be saved, and then click the [Save] button.
- 5 In the Download complete dialog box, click the [Close] button.
The exported data is saved in the specified location.



Reminder

The exported data can be viewed and edited in a spreadsheet application.

For details on editing the exported file in a spreadsheet application, refer to "Editing the exported file" on page 3-16.



Reminder

When opening a file for which XLS or XLSX is selected in "File format" while a password is specified, enter an import password.

5.2 Initial settings

5.2.1 Device Management

Select the devices whose counters are to be collected by Counter Reader.

**Note**

If the "Manage" check box is cleared, the counters for the device will not be displayed by Counter Reader. To not collect or display the counter information, clear the check box.

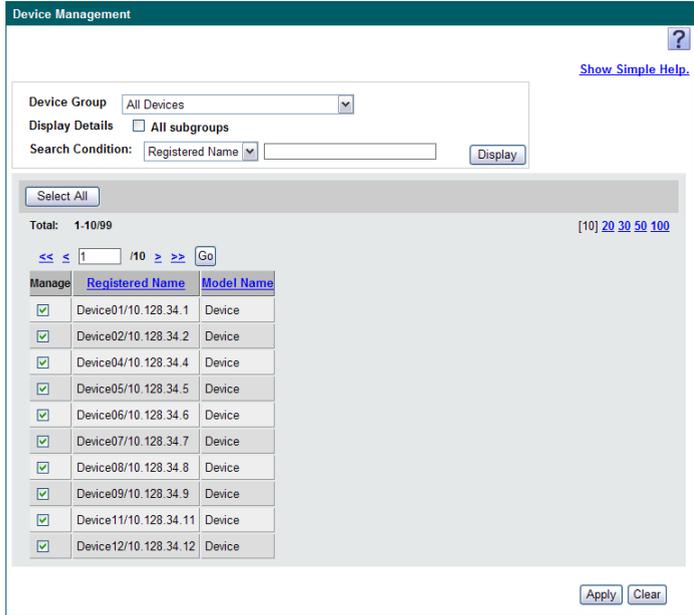
When new devices are found or added, they are automatically included in the list.

- 1 From the [Device Group] drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.

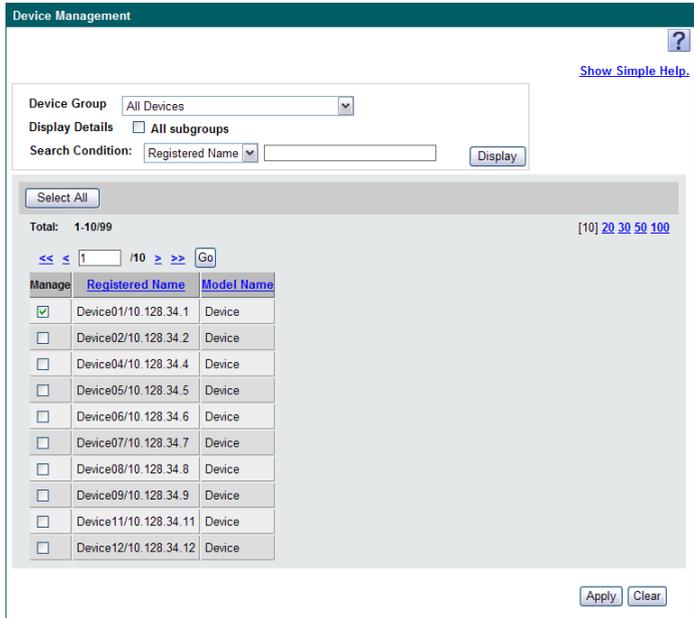
2 Click the [Display] button.

- If the selected group does not include devices that are capable of collecting counter information, no devices are displayed.

This page lists only the devices that are registered in the selected group that are capable of collecting counter information.



- 3 Select the "Manage" check box for the devices to be managed, and then click the [Apply] button.



- To select all devices, click the [Select All] button.

5.2.2 Counter Collection Settings

Counters are collected at the specified time from the devices selected on the Device Management page as the devices whose counters are to be displayed.

Specify the basic settings for counter collection. After the settings are specified, click the [Apply] button.

Function	Details
Counter collection interval	Select "Every Month", "Every Week", "Every Day" or "Do Not Collect" as the interval for collecting the totaled counters. After selecting the interval, select the details for the collection period.
Start Now	Click the button to immediately collect the totaled counters.
Interval of Retry	Specify the interval to retry collecting totaled counters if an error occurred or the counters could not be collected.
Save Counter Data for:	Specify the storage period of totaled counter data. The counters are cleared after the specified length of time.
Counter Clear	Click these buttons to clear the counters. The data is cleared when the "All Clear", "Clear (A month)" or "Clear (3 months)" is clicked. The counter for the last day is not cleared.

**Reminder**

The counter specified in the Counter Collection Settings page is used to display counter information.

If "31st" is specified for "Every Month", the process is performed at the end of the month in months that do not have 31 days. (Example: April 30)

**Reminder**

To collect counters from the devices, the settings on Device Information Settings page for the Device List must match those specified on the device.

A counter value collected from a device may be a value from a few minutes ago, and in such a case, it may not match the latest counter value.

**Note**

In order to collect counters for users and account tracks registered in User List, the users and account tracks to be used with counter collection must first be registered.

**Note**

If the device is set so that user authentication is not performed, its counters are treated as those counters for users having a user name of "Public".

If the same user name has been registered with a device multiple times, only the counters for one of these users are collected. To create a user with a device, be sure to register the user with a unique user name.

If the same account name has been registered with a device multiple times, only the counters for one of the account tracks are collected. To create an account track with a device, be sure to register the account track with a unique account name.



...

Note

Use a global address for IPv6 address.

Some functions may not be available if any address other than the global address is used.



...

Note

Some of the counters may not be collected unless the firmware in the devices has been updated.

For details, contact our service representative.

5.3 Option

5.3.1 Administrator Settings

Users who can use Counter Reader with Administrator privileges can be specified. Settings can be specified for the following parameters.

Select	User Name	User Group Name	Description
<input type="checkbox"/>	User01	OTHER	
<input type="checkbox"/>	User02	OTHER	
<input type="checkbox"/>	User03	OTHER	

Function	Details
Search Condition	Specify the condition for narrowing users to be displayed in the list.
[Add] button	Click this button to register additional users with Administrator privileges.
[Delete] button	Click this button to delete users with Administrator privileges.
[Select All/Uncheck All] button	Click this button to select or clear all displayed settings.

Adding an administrator

- 1 Click the [Add] button.
- 2 From the [User Group] drop-down list, select the user group to be displayed.
 - To display all users, select "All Users".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all users, including those in subordinate groups.
 - To narrow users to be displayed in the list, specify the search condition. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.
- 3 Click the [Display] button.
A list of users registered in the selected group appears.
- 4 From the user list, select the check box for the user to be added.
 - To cancel the selected settings, click the [Clear] button.

Select Additional Users

User Group: All Users

Display Details: All subgroups

Search Condition: User Name

Total: 1-3/3 [\[10\]](#) [20](#) [30](#) [50](#) [100](#)

Select	User Name	User Group Name	Description
<input checked="" type="checkbox"/>	User01	OTHER	
<input type="checkbox"/>	User02	OTHER	
<input type="checkbox"/>	User03	OTHER	

- 5 Click the [Apply] button.
The selected user is added as an administrator.

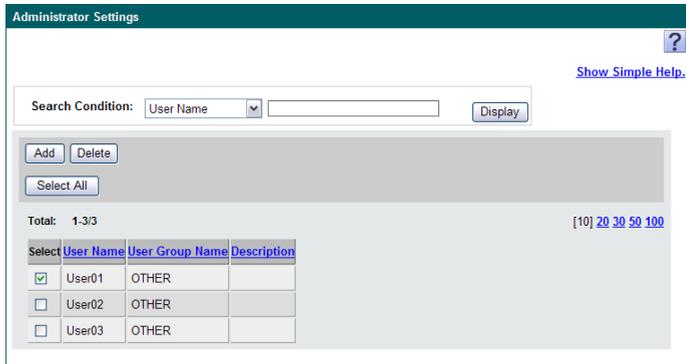


Reminder

Multiple users can be selected at the same time.

Deleting an administrator

- 1 In the Administrator Settings page, select the check box for the user to be deleted.



The screenshot shows the 'Administrator Settings' interface. At the top, there is a search bar with a dropdown menu set to 'User Name' and a 'Display' button. Below the search bar are buttons for 'Add', 'Delete', and 'Select All'. A table lists administrators with columns for 'Select', 'User Name', 'User Group Name', and 'Description'. The first row, 'User01', has its 'Select' checkbox checked. The second and third rows, 'User02' and 'User03', have their checkboxes unchecked. To the right of the table, there is a 'Total: 1-3/3' and a pagination link '[10] 20 30 50 100'. A help icon and a 'Show Simple Help.' link are also visible.

Select	User Name	User Group Name	Description
<input checked="" type="checkbox"/>	User01	OTHER	
<input type="checkbox"/>	User02	OTHER	
<input type="checkbox"/>	User03	OTHER	

- 2 Click the [Delete] button.
- 3 Check the message that appears, and then click the [OK] button to delete the template.

The selected user is deleted from the list of administrators.



Reminder

Multiple users can be selected at the same time.

5.3.2 Counter Collection Results

Displays the results of the counter information collected from the devices.

- 1 From the drop-down list, select the device group to be displayed.
 - To display all devices, select "All Devices".
 - If master and subordinate relationships are specified in the group, select the "All subgroups" check box to display all devices, including those in subordinate groups.
 - Specifying the search condition can narrow down devices to be displayed in the list. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box.
 - To display the devices for which the collection of the counter information failed, select the "Only the devices whose collection has failed are displayed" check box.
- 2 Click the [Display] button.
 - Devices that are using Enterprise Suite Terminal will not be displayed.

A list of devices registered in the selected group appears.

The screenshot shows a web interface titled "Counter Collection Result". It includes a "Device Group" dropdown menu set to "All Devices", two checkboxes for "All subgroups" and "Only the devices whose collection has failed are displayed.", and a "Search Condition" dropdown set to "Registered Name" with an adjacent text input field and a "Display" button. Below this is a "Counter Collection Retry" section with a "Start" button. A "Total: 1-10/99" indicator is present, along with pagination controls showing "1" of 10 items. The main content is a table with the following data:

Availability	Last Success Date	Registered Name	Model Name
Error (HTTP)		Device/10.128.34.1	Device
Time Out	01/22/2010 11:02:34	Device/10.128.34.2	Device
Error (HTTP)	01/14/2010 23:00:44	Device/10.128.34.4	Device
Success	01/25/2010 15:04:53	Device/10.128.34.5	Device
Error (HTTP)		Device/10.128.34.6	Device
Error (HTTP)		Device/10.128.34.7	Device
Success	01/25/2010 15:04:53	Device/10.128.34.8	Device
Error (Other)	12/24/2009 23:01:17	Device/10.128.34.9	Device
Error (HTTP)		Device/10.128.34.11	Device
Error (HTTP)		Device/10.128.34.12	Device

3 Check the results of counter Information.

- Click the [Start] button to start acquiring counter information again only for devices whose "Availability" column indicates "Time Out" or "Error". Counter information is not collected for devices whose "Availability" column indicates "Success" or "Uncollected".

Function	Details
Availability	<p>Displays the results of the counter collection or the current state of the counter collection. Displays the following states.</p> <ul style="list-style-type: none"> • Success: The counter collection was successfully completed. • Uncollected: No counter collection was performed. • Waiting: Device is waiting for counter collection. • Time Out: Failed to communicate with a device. Check the device power or the settings on Device Information Settings page for the Device List. • Error (SNMP): An error occurred when collecting information on counters. Check the SNMP settings for the relevant device or the settings on Device Information Settings page for the Device List. • Error (HTTP): An error occurred when collecting information on counters. Check the HTTP settings for the relevant device or the settings on Device Information Settings page for the Device List. • Error (FTP): An error occurred when collecting information on counters. Check the FTP settings for the relevant device or the settings on Device Information Settings page for the Device List. • Error (Other): An error occurred when collecting information on counters. Perform counter collection again. Or, check the settings on the Device Information Settings page for the Device List again.
Last Success Date	<p>The last date and time at which counter collection was successfully completed. For a device on which no counter collection has been performed or counter collection has never been successfully completed, none will be listed.</p>
Registered Name	Displays the registered name of the device.
Model Name	Displays the model name for the device.

6 Server Settings

Configure the Enterprise Suite settings.

These pages can be used only by users logged on as a system administrator.

For details on logging on as a system administrator, refer to "Logging on as a system administrator" on page 2-3.

6.1 Administrator Settings

The settings for system administrators for Enterprise Suite can be specified.

Function	Description
Description	Type in a description of the system administrator.
E-mail Address	Type in the E-mail address of the system administrator.
Language	Select a language to display an E-mail to be sent to an administrator.
Remember the selected user type in the Login Screen	Specify whether to hold the user type selected in the Login page until the next login.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

6.2 E-mail Server Settings

Specify whether to use the function (E-mail function) that sends an E-mail notification from Enterprise Suite to an administrator. When using the E-mail function, specify an E-mail server that is required to send an E-mail as well as the authentication method.

Function	Description
Use E-mail Function	Select this check box to use the E-mail functions.
SMTP Server Address	Type in the IP address or DNS host name of the SMTP server used for sending E-mail messages.
Port Number of SMTP Server	Type in the number of the port used with the SMTP server. The default is "25".
E-mail Address (From)	Type in the E-mail address used in the From header of the E-mail.
SMTP over SSL	Select this check box to use SSL in SMTP communications.
Use authentication system.	Select this check box to use SMTP or POP before SMTP authentication when sending E-mail messages.

Function	Description
Use SMTP Authentication	<p>Select this check box to use SMTP authentication when sending E-mail messages.</p> <p> . . .</p> <p>Reminder <i>To enable communication with an SMTP server via SSL, [Local Computer] must be selected as a store in which the certificate is placed.</i></p> <p><i>Saving a server certificate on a personal basis does not allow communication with an SMTP server via SSL.</i></p>
	Account of SMTP Server Specify the account of the E-mail address specified in E-mail Address (FROM).
	Password of SMTP Server Specify the password of the E-mail address specified in E-mail Address (FROM).
Use POP before SMTP	<p>Select this check box to use POP before SMTP authentication when sending E-mail messages.</p> <p> . . .</p> <p>Reminder <i>POP before SMTP authentication is a method to perform receiving operation before sending an E-mail and obtain authentication from a receiving server to permit sending.</i></p>
	POP Server Address Specify the address of the POP3 server to be used for POP before SMTP authentication.
	POP Server Account Specify the account of the POP3 server to be used for POP before SMTP authentication.
	POP Server Password Specify the password of the POP3 server to be used for POP before SMTP authentication.
	POP Server Port Specify the port number to be used for POP before SMTP authentication.
Send e-mail.	<p>Sends a test E-mail to an administrator to have him or her check the E-mail server settings.</p> <p> . . .</p> <p>Reminder <i>A test E-mail is sent to [E-mail Address] specified in Administrator Settings. E-mail transmission will fail if setting items are incorrect.</i></p>
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

6.3 Display Settings

Specify the basic settings for Enterprise Suite.

The screenshot shows a 'Display Settings' window with the following fields and options:

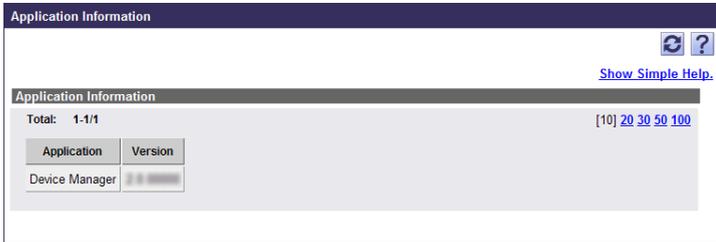
- Date Format:** MM/DD/YYYY
- Currency Unit:** [Text Input] Max: 8 chars
- Delimiter:** comma(.)
- Decimal Point:** period(.)
- System Name:** Nickname [Required] Max: 16 chars
- System Location:** Location [Required] Max: 16 chars
- System Contact:** Contact Person [Required] Max: 16 chars
- Maximum number of characters for list display:** No limit

Buttons: [Apply] [Clear]

Function	Description
Date Format	Select the format for displaying dates.
Currency Unit	Type in the currency unit to be used.
Delimiter	Select the character used to separate numbers.
Decimal Point	Select the decimal character.
System Name	Type in the title for the system name for the device list.
System Location	Type in the title for the system location for the device list.
System Contact	Type in the title for the contact person of the system for the device list.
Maximum number of characters for list display	Select the maximum number of characters to be displayed in the list.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

6.4 Application Information

The versions of applications provided with Enterprise Suite can be viewed.



6.5 License Management

The licenses for add-on (extension) applications running on Device Manager can be managed. The license information can be viewed, and the licenses can be registered or deleted.

There are two methods to register or delete licenses: "Register (Online)" to connect to Internet and "Register (Offline)" not to connect to Internet.

When using the "Register (Online)" method, in an environment using a proxy server to connect to the Internet, the Proxy Settings tab in the Admin Console must be defined properly.

For details on the proxy settings, refer to "Proxy Settings" on page 7-7 in Admin Console.



...

Note

Before uninstalling an add-on application with licenses registered, be sure to delete the licenses. Add-on applications cannot be uninstalled with licenses registered.



...

Note

To change the hardware configuration (e.g., a network card) of a computer on which Enterprise Suite is installed, delete all licenses before doing so.

After the hardware configuration is changed without deleting licenses, you may not register any licenses.

6.5.1 License Types

The following types of licenses exist.

Trial Licenses

If you are currently reviewing the installation of an add-on application, you can register a trial license to use a trial version of add-on application before purchasing it.

A trial license, which enables you to try out an add-on application for 60 days, is issued to one Enterprise Suite server only once. The trial period starts when a trial license is registered in the license authentication server on Internet.

For details on registering a trial license, refer to "Registering trial licenses (Online)" on page 6-11 or "Registering trial licenses (Offline)" on page 6-13.

Regular Licenses

Regular licenses are classified into three types as usage.

Each license becomes effective when a license key has been registered for license authentication.

For details on registering regular licenses, refer to "Registering regular licenses (Online)" on page 6-18 or "Registering regular licenses (Offline)" on page 6-21.

Function	Details
Module License	Enables all functions of the target application.
Device License	Increases the number of devices that can be managed by the target application.
Maintenance License	Extends the maintenance period (period that can be updated) of the target application.

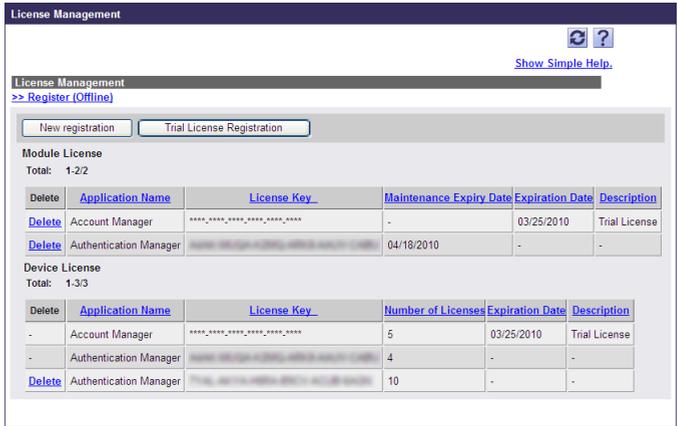
6.5.2 Available operations in License Management page

The License Management page varies depending on the online or offline mode.

License Management page (Online)

This page is displayed when the [License Management] button is clicked in the Top Menu page.

Settings can be specified and viewed for the following parameters.



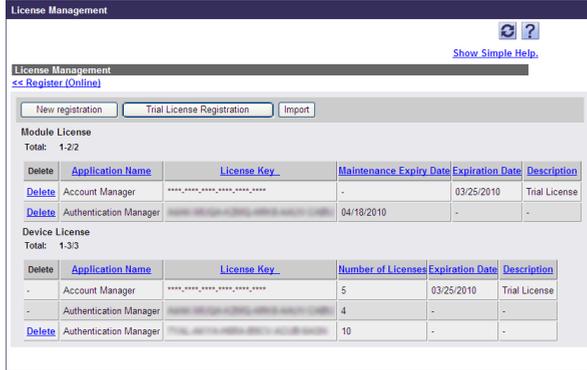
Function	Details
Register (Offline)	Changes License Management (registration or deletion) to the offline mode.
New registration	Registers a new license key. Clicking this button displays the License Confirmation page to enable you to type in a license key.  ... Reminder <i>For details, refer to "Registering regular licenses (Online)" on page 6-18.</i>
Trial License Registration	Registers a trial license. Clicking this button displays the Register Trial License page to enable you to select a trial application.  ... Reminder <i>For details, refer to "Registering trial licenses (Online)" on page 6-11.</i>

Function	Details
(Module License List)	<p>Displays a list of module licenses registered on Enterprise Suite.</p> <p>The following information is included in the list:</p> <ul style="list-style-type: none">• [Delete] button• Application Name• Registered license keys• Maintenance Expiry Date of application• Expiration Date of module licenses• Description <p> . . .</p> <p>Reminder <i>Clicking the "Delete" button deletes licenses. For details, refer to "Deleting licenses (Online)" on page 6-25.</i></p>
(Device License List)	<p>Displays a list of device licenses registered on Enterprise Suite.</p> <p>The following information is included in the list:</p> <ul style="list-style-type: none">• [Delete] button• Application Name• Registered license keys• The number of valid licenses (the number of devices allowed)• Expiration Date of device license• Description <p> . . .</p> <p>Reminder <i>Clicking the "Delete" button deletes licenses. For details, refer to "Deleting licenses (Online)" on page 6-25.</i></p>

License Management page (Offline)

This page is displayed when "Register (Offline)" is clicked in the License Management page.

Settings can be specified and viewed for the following parameters.



Function	Details
Register (Online)	Changes License Management (registration or deletion) to the online mode.
New registration	Registers a new license key. Clicking this button displays the License Confirmation (offline) page to enable you to type in a license key.  ... Reminder <i>For details, refer to "Registering regular licenses (Offline)" on page 6-21.</i>
Trial License Registration	Registers a trial license. Clicking this button displays the Register Trial License page to enable you to select a trial application.  ... Reminder <i>For details, refer to "Registering trial licenses (Offline)" on page 6-13.</i>
[Import] button	Click this button to read and register data of the license authentication result file obtained from the license authentication server on Internet.  ... Reminder <i>This button is displayed only when Register in Offline is selected.</i>

Function	Details
(Module License List)	<p>Displays a list of module licenses registered on Enterprise Suite.</p> <p>The following information is included in the list:</p> <ul style="list-style-type: none"> • [Delete] button • Application Name • Registered license keys • Maintenance Expiry Date of application • Expiration Date of module licenses • Description <p> . . .</p> <p>Reminder <i>Clicking the "Delete" button deletes licenses. For details, refer to "Deleting licenses (Offline)" on page 6-26.</i></p>
(Device License List)	<p>Displays a list of device licenses registered on Enterprise Suite.</p> <p>The following information is included in the list:</p> <ul style="list-style-type: none"> • [Delete] button • Application Name • Registered license keys • The number of valid licenses (the number of devices allowed) • Expiration Date of device license • Description <p> . . .</p> <p>Reminder <i>Clicking the "Delete" button deletes licenses. For details, refer to "Deleting licenses (Offline)" on page 6-26.</i></p>

6.5.3 Registering trial licenses (Online)

In online mode, access the license authentication server on Internet, and register trial licenses.

- 1 In the License Management page, click the [Trial License Registration] button.
The Register Trial Licenses page appears.
- 2 Select the desired trial application in the Register Trial Licenses page, and click the [Register] button.
 - For details on the Register Trial Licenses page, refer to "Trial License Registration page (Online)" on page 6-12.
Trial licenses become effective, and a trial application starts.

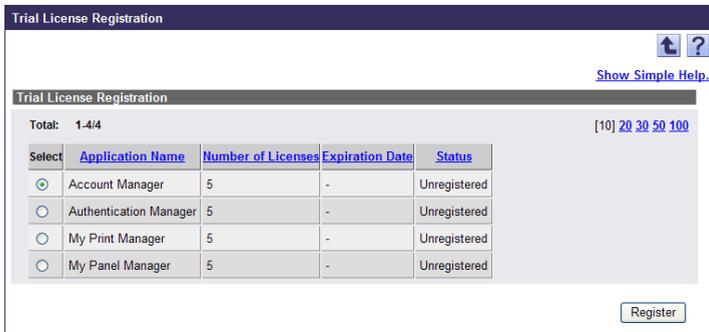


Note

To register licenses in online mode, connect to the license authentication server on the Internet for authentication. In an environment using a proxy server to connect to the Internet, the Proxy Settings tab in the Admin Console must be defined properly. For details on the proxy settings, refer to "Proxy Settings" on page 7-7 in Admin Console.

Trial License Registration page (Online)

Access the license authentication server, and register trial licenses.



Function	Details
(Trial License List)	Displays a list of trial licenses of applications installed with Enterprise Suite. The following information is included in the list: <ul style="list-style-type: none"> • Select button • Application Name • Number of Licenses • Expiration Date • Status
[Register] button	Click this button to register the licenses selected in the trial license list in the licenses authentication server.

6.5.4 Registering trial licenses (Offline)

Trial licenses can be registered in offline mode when the license authentication server cannot be accessed directly.

Trial license registration flow

The following three steps are required to register trial licenses in offline mode.

1. Export the license authentication file with Enterprise Suite.
2. Perform license authentication in the Web page for license authentication.
3. Import the license authentication result file to Enterprise Suite.



Note

The registration of trial licenses will not be completed simply by performing license authentication in the Web page for license authentication. Be sure to import the registration results in Enterprise Suite.

A trial period starts when license information has been registered in the Web page for license authentication. Note that you may not try out applications full well because the trial period only lapses if the license authentication file is not imported to Enterprise Suite.

Exporting the license authentication file with Enterprise Suite

- 1 On the License Management page, select "Register (Offline)", and click the [Trial License Registration] button.
The Register Trial Licenses page (offline) appears.
- 2 Select the desired trial application in the Register Trial Licenses page (offline), and click the [Export] button.
 - For details on the Register Trial Licenses page (offline), refer to "Trial License Registration (Offline) page" on page 6-15.The File Download dialog box appears.
- 3 In the File Download dialog box, click the [Save] button.
- 4 Specify the location where the file is to be saved, and then click the [Save] button.
- 5 In the Download complete dialog box, click the [Close] button.
The license authentication file is saved at the specified location.

Performing license authentication in the Web page for license authentication

- 1 Move the license authentication file to a computer on Internet, and access the Web page for license authentication.
 - URL of Web page for license authentication = <https://licensemanage.com/PSES/>
- 2 Upload the license authentication file in the Web page for license authentication to perform license authentication.

When license authentication is completed successively, the license authentication result file is downloaded.



Reminder

License authentication in the Web page must be performed within seven days after the license authentication file has been exported.

The Web page will not accept any authentication if eight or more days have lapsed after the license authentication file was exported. In this case, execute the steps above again from the export process.



Note

If the computer clock is not correct, authentication may not be performed via the Web page. Correctly adjust the computer clock.

Importing the license authentication result file to Enterprise Suite

- 1 Return the license authentication result file to the original computer, and open the License Management page.
- 2 Select "Register (Offline)", and click the [Import] button.
The License Confirmation (File Import) page appears.
- 3 Enter an import file path, and click the [Import] button.
 - The file storage location can also be specified by clicking the [Browse] button.
 - For details on the License Confirmation (File Import) page, refer to "License Confirmation (File Import) page" on page 6-16.The License Registration (import) page appears.

4 Click the [Register] button.

Trial licenses become effective, and a trial application starts.



Reminder

Import the license authentication result file to the computer from which the license authentication file was exported. Do not change the hardware environment of the computer until the license authentication result file is imported after the license authentication file has been exported.

The license authentication result file must be imported within seven days after authentication was performed in the Web page.

If registration fails, execute the steps above again from the export process.



Note

If the computer clock is not correct, authentication may not be performed via the Web page. Correctly adjust the computer clock.

Trial License Registration (Offline) page

In offline mode, you can export the license authentication file for trial licenses.

Trial License Registration

[Show Simple Help.](#)

Total: 1-4/4 [10] 20 30 50 100

Select	Application Name	Number of Licenses	Expiration Date	Status
<input checked="" type="radio"/>	Account Manager	5	-	Unregistered
<input type="radio"/>	Authentication Manager	5	-	Unregistered
<input type="radio"/>	My Print Manager	5	-	Unregistered
<input type="radio"/>	My Panel Manager	5	-	Unregistered

Export

Function	Details
(Trial License List)	Displays a list of trial licenses of applications installed with Enterprise Suite. The following information is included in the list: <ul style="list-style-type: none"> • Select button • Application Name • Number of Licenses • Expiration Date • Status
[Export] button	Click this button to export the license authentication file for the licenses selected in the trial license list.

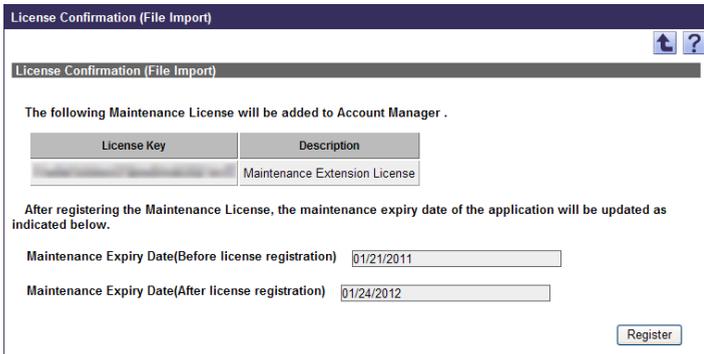
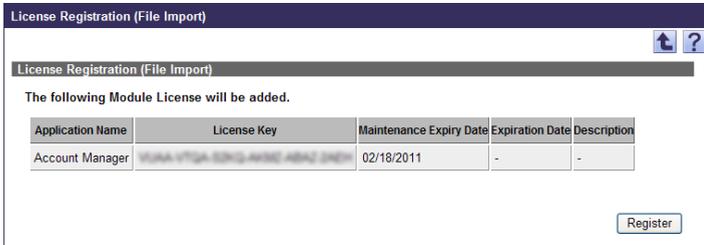
License Confirmation (File Import) page

The license authentication result file, which was downloaded from the Web page for license authentication, can be imported to Enterprise Suite.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
[Import] button	Click this button to start importing a file. After importing has been completed, the License Registration (import) page appears.
[Clear] button	Click this button to clear the entered contents.

License Registration (File Import) page

The contents of the imported license key authentication result file can be checked and registered in Enterprise Suite.



Function	Details
License Registration	<p>Displays the registered licenses.</p> <p>The following information is included in the list:</p> <p>For module license:</p> <ul style="list-style-type: none"> • Application Name • License Key • Maintenance Expiry Date • Expiration Date • Description <p>For device license:</p> <ul style="list-style-type: none"> • Application Name • License Key • Number of Licenses • Expiration Date • Description <p>For maintenance license:</p> <ul style="list-style-type: none"> • Application Name • License Key • Description • Maintenance Expiry Date (Before License registration) • Maintenance Expiry Date (After License registration)
[Register] button	Click this button to register a license in the list.

6.5.5 Registering regular licenses (Online)

In online mode, access the license authentication server on Internet, and register licenses. Each license becomes effective when it is registered in the license authentication server.



Reminder

When registering licenses in online mode, it is possible to register up to 100 licenses collectively. Type in every license key one line at a time.

- 1 In the License Management page, click the [License Registration] button.
The License Confirmation page appears.
- 2 In the License Confirmation page, type in the license key, and then click the [Confirmation] button.
 - For details on the License Confirmation page, refer to "License Confirmation page" on page 6-19.When the licenses are confirmed successfully, the License Registration page appears.
- 3 In the License Registration page, click the [Register] button.
 - For details on the License Registration page, refer to the "License Registration page" on page 6-20.The license is registered.



Note

To register licenses in online mode, connect to the license authentication server on the Internet for authentication. In an environment using a proxy server to connect to the Internet, the Proxy Settings tab in the Admin Console must be defined properly. For details on the proxy settings, refer to "Proxy Settings" on page 7-7 in Admin Console.



Note

When registering the device license and maintenance license, first register the module license.

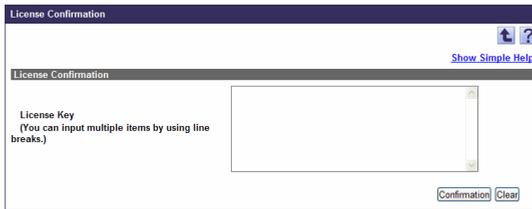
To change the trial license to a regular license, you do not need to delete the trial license, which the regular license is overwritten on when registered.

When overwriting the regular license, as also described above, first register the regular module license, and then register the regular device license.

If the regular module license is registered first, the maintenance period starts from the date it was registered.

License Confirmation page

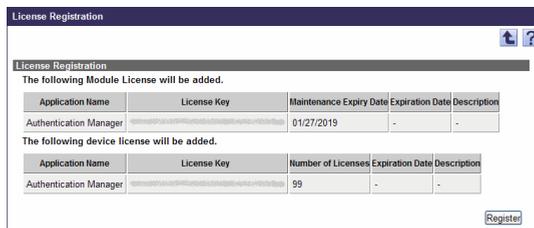
To check license information, enter the license key.



Function	Details
License Key	Type in a new license key to be added.  Reminder <i>Alphanumeric characters, hyphens (-), commas (,), periods (.), and spaces can be typed in.</i>
[Confirmation] button	Click this button to confirm a licenses. When the license is confirmed successfully, the License Registration page appears.
[Clear] button	Click this button to clear the entered contents.

License Registration page

Access the license authentication server, and register licenses.



Function	Details
License Registration	<p>Displays the registered licenses. The following information is included in the list:</p> <p>For module license:</p> <ul style="list-style-type: none"> • Application Name • License Key • Maintenance Expiry Date • Expiration Date • Description <p>For device license:</p> <ul style="list-style-type: none"> • Application Name • License Key • Number of effective licenses • Expiration Date • Description <p>For maintenance license:</p> <ul style="list-style-type: none"> • Application Name • License Key • Description • Maintenance Expiry Date (Before license registration) • Maintenance Expiry Date (After license registration)
Invalid License List	<p>Displays the license information if the license key is invalid.</p> <ul style="list-style-type: none"> • License Key • Error Details
[Register] button	Click this button to register a license in the list.

6.5.6 Registering regular licenses (Offline)

Licenses can be registered in offline mode when the license authentication server cannot be accessed directly.

License registration flow

The following three steps are required to register licenses in offline mode.

1. Export the license authentication file with Enterprise Suite.
2. Perform license authentication in the Web page for license authentication.
3. Import the license authentication result file to Enterprise Suite.



Note

The registration of trial licenses will not be completed simply by performing license authentication in the Web page for license authentication. Be sure to import the registration results in Enterprise Suite.

Unless the steps above are completed, you may not properly register or delete licenses after this.

Exporting the license authentication file with Enterprise Suite

- 1 On the License Management page, select "Register (Offline)", and click the [License Registration] button.
The License Confirmation (offline) page appears.
- 2 In the License Confirmation (offline) page, type in the license key, and click the [Export] button.
 - For details on the License Confirmation (offline) page, refer to "License Confirmation (offline) page" on page 6-24.
 - When registering the maintenance license in offline mode, check that the module license to be applied is already registered.The File Download dialog box appears.
- 3 In the File Download dialog box, click the [Save] button.
- 4 Specify the location where the file is to be saved, and then click the [Save] button.
- 5 In the Download complete dialog box, click the [Close] button.
The license authentication file is saved at the specified location.

Performing license authentication in the Web page for license authentication

- 1 Move the license authentication file to a computer on Internet, and access the Web page for license authentication.
 - URL of Web page for license authentication = <https://licensemanage.com/PSES/>
- 2 Upload the license authentication file in the Web page for license authentication to perform license authentication.

When license authentication is completed successively, the license authentication result file is downloaded.



Reminder

License authentication in the Web page must be performed within seven days after the license authentication file has been exported.

The Web page will not accept any authentication if eight or more days have lapsed after the license authentication file was exported. In this case, execute the steps above again from the export process.

If the regular module license is registered first, the maintenance period starts from the date the license authentication was carried out on the Web page.



Note

If the computer clock is not correct, authentication may not be performed via the Web page. Correctly adjust the computer clock.

Importing the license authentication result file to Enterprise Suite

- 1 Return the license authentication result file to the original computer, and open the License Management page.
- 2 Select "Register (Offline)", and click the [Import] button.
The License Confirmation (File Import) page appears.
- 3 Enter an import file path, and click the [Import] button.
 - The file storage location can also be specified by clicking the [Browse] button.
 - For details on the License Confirmation (File Import) page, refer to "License Confirmation (File Import) page" on page 6-16.The License Registration (import) page appears.
- 4 Click the [Register] button.
 - For details on the License Registration (import) page, refer to "License Registration (File Import) page" on page 6-17.The license is registered.



Reminder

Import the license authentication result file to the computer from which the license authentication file was exported. Do not change the hardware environment of the computer until the license authentication result file is imported after the license authentication file has been exported.

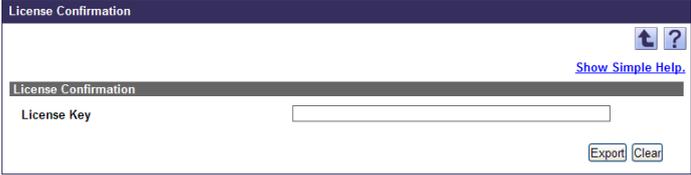
The license authentication result file must be imported within seven days after authentication was performed in the Web page.

If registration fails, execute the steps above again from the export process.

If an error occurred in the Web page for license authentication, contact your distribution source.

License Confirmation (offline) page

You can export the license authentication file of the entered license key.



The screenshot shows a web interface titled "License Confirmation". It features a dark blue header bar with the title. Below the header is a light blue bar containing a "Show Simple Help." link. The main content area has a "License Key" label followed by a text input field. At the bottom right, there are two buttons: "Export" and "Clear".

Function	Details
License key	Type in a new license key to be added.
[Export] button	Click this button to export the license authentication file of the entered license key.
[Clear] button	Click this button to clear the entered contents.

6.5.7 Upgrading the application version

The installed add-on application can be upgraded free of charge if it is within the maintenance period.

For details on upgrading the add-on application, refer to the "Enterprise Suite Installation Guide".



Reminder

To extend the maintenance effective period of the application, purchase and register the Maintenance Extension License in the maintenance effective period. If the maintenance effective period is expired, purchase the Maintenance Renewal License.

6.5.8 Deleting licenses (Online)

In online mode, access the license authentication server on Internet, and delete licenses.

- 1 On the License Management page, select the license to be deleted, and click the [Delete] button.

The confirmation dialog box appears.

- 2 Check the message that appears, and then click the [OK] button to delete the template.

The license is deleted.



Note

To register licenses in online mode, connect to the license authentication server on the Internet for authentication. In an environment using a proxy server to connect to the Internet, the Proxy Settings tab in the Admin Console must be defined properly. For details on the proxy settings, refer to "Proxy Settings" on page 7-7 in Admin Console.

If there is even one device to be managed by add-on applications, application licenses cannot be deleted.

The device license used by an add-on application cannot be deleted.

6.5.9 Deleting licenses (Offline)

Licenses can be deleted in offline mode when the license authentication server cannot be accessed directly.

License deletion flow

The following two steps are required to delete licenses in offline mode.

1. Delete Enterprise Suite licenses.
2. Update license information in the Web page for license authentication.



Note

License deletion is not yet completed after license data was just deleted with Enterprise Suite. Be sure to update license information in the Web page for license authentication. If license information is not updated in the Web page for license authentication, licenses may not be registered normally after this.

Deleting Enterprise Suite licenses

- 1 On the License Management page, select the license to be deleted, and click the [Delete] button.
The confirmation page appears.
- 2 Check the message that appears, and then click the [OK] button to delete the template.
The selected license is then deleted from the list in the License Management page, and the File Download dialog box appears.
- 3 In the File Download dialog box, click the [Save] button.
- 4 Specify the location where the file is to be saved, and then click the [Save] button.
- 5 In the Download complete dialog box, click the [Close] button.
The license authentication file is saved at the specified location.



Note

If there is even one device to be managed by add-on applications, application licenses cannot be deleted.

The device license used by an add-on application cannot be deleted.

Updating license information in the Web page for license authentication

- 1 Move the license authentication file to a computer on Internet, and access the Web page for license authentication.
 - URL of Web page for license authentication = <https://licensemanage.com/PSES/>
- 2 Upload the license authentication file in the Web page for license authentication to perform license authentication.

When license authentication is completed successively, license information is updated.



Reminder

License authentication in the Web page must be performed within seven days after the license authentication file has been exported.

The Web page will not accept any authentication if eight or more days have lapsed after the license authentication file was exported. In this case, register licenses in the same computer and delete them again.



Note

If the computer clock is not correct, authentication may not be performed via the Web page. Correctly adjust the computer clock.

6.6 Support Device Information

The list of models compatible with Enterprise Suite can be viewed.



Reminder

To narrow models to be displayed in the list, specify the search condition. Select a column to search from the drop-down list, and then type in the text to be searched for in the text box. To display the list of models according to the specified condition, click the [Display] button.

Support Device Information

[Show Simple Help.](#)

Support Device Information

Search Condition: Model Name Display

Total: 1-10/73 [10] [20](#) [30](#) [50](#) [100](#)

<<
<
1
/8
>
>>
Go

Model Name	Version	Build Number
KONICA MINOLTA magicolor 5570/bizhub C30P	1.0.3	002
KONICA MINOLTA magicolor 5550	1.0.3	002
KONICA MINOLTA magicolor 8650	1.0.3	003
KONICA MINOLTA magicolor 4650	1.0.2	003
KONICA MINOLTA bizhub C20P	1.0.2	003
KONICA MINOLTA pagepro 5650	1.0.2	003
KONICA MINOLTA bizhub 40P	1.0.2	003
KONICA MINOLTA pagepro 4650	1.0.2	003
KONICA MINOLTA magicolor 5670	1.0.2	004
KONICA MINOLTA magicolor 5450	1.0.3	002

6.7 Version information

Device Manager version information can be viewed.

7 Using Admin Console

Admin Console is an application that can be used to specify settings for connecting to the database for Enterprise Suite, to back up and restore the database, to specify proxy settings, to change the password of the system administrator, and to set the job log function.

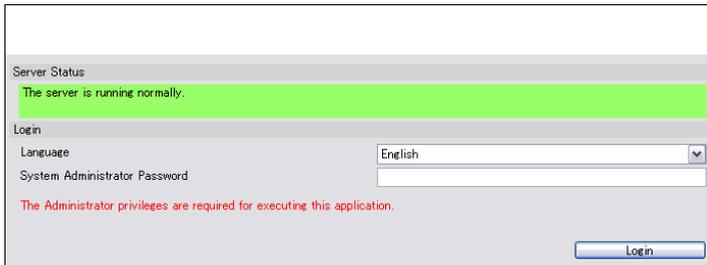
7.1 Starting and logging on to Admin Console

Admin Console is started from the "Start" menu.

Starting and logging on to Admin Console

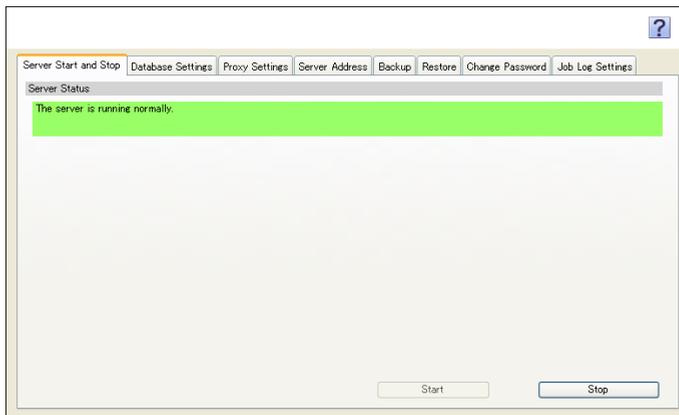
- 1 From the "Start" menu, select [All Programs] (For Windows 2000: [Programs]) - [KONICA MINOLTA] - [PageScope Enterprise Suite] - [Admin Console].
 - If the User Account Confirmation page appears, click the [Allow] button.
 - When using Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2, be sure to enable "Run as an Administrator".

Admin Console starts up.



- 2 Specify the necessary settings, and then click the [Login] button.
- [Language]: Select the desired Admin Console display language.
 - [System Administrator Password]: Type in the password for the system administrator.

If the system administrator password was correctly entered, the following window appears.



Reminder

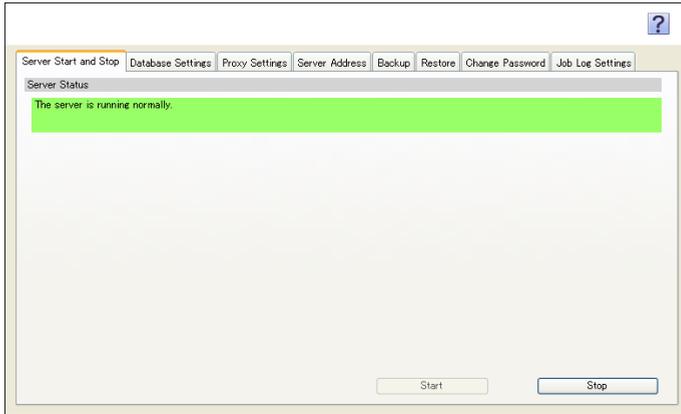
Click  in the upper right corner of the page to display the Help information for the current page.

7.2 Starting and stopping the server

Before specifying settings for connecting to the database or performing the restore operation, Enterprise Suite must be stopped.

Stopping Enterprise Suite

- On the [Server Start and Stop] tab, click the [Stop] button. Enterprise Suite stops.



Reminder

If the server was not successfully started, click the [Stop] button, and then click the [Start] button.

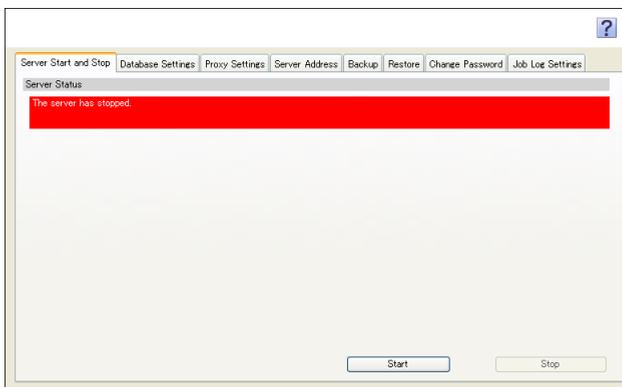


Note

If "Run as an Administrator" is not enabled in the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 environment, an error may occur.

Starting Enterprise Suite

- On the [Server Start and Stop] tab, click the [Start] button. Enterprise Suite starts.



Note

If "Run as an Administrator" is not enabled in the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 environment, an error may occur.

7.3 Database Settings

On the [Database Settings] tab, the database installation location of Enterprise Suite and the connection setting to the database can be specified.



Note

Before performing any operation, Enterprise Suite must be stopped. If Enterprise Suite is running, settings are not available and cannot be changed.

<Database Installation Location>

Function	Description
Local Computer	Select this if the database and Enterprise Suite are installed in the same computer.
Computers on the network	Select this if the database and Enterprise Suite are not installed in the same computer. In the [IP Address / DNS Host Name] text box, type in the IP address or DNS host name of the server on which the database is running.

<Connection Setting of Database>

Function	Description
Instance Name	Type in the instance name for the database (up to 16 alphanumeric characters).
Account	Type in the account name of the administrator for the database (up to 128 alphanumeric characters).
Password	Type in the account password of the administrator for the database (up to 128 alphanumeric characters).
SSL Authentication	Select whether to enable SSL for connecting Enterprise Suite with the database.
Help button	Click this button to display the Help.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

**Note**

If "Run as an Administrator" is not enabled in the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 environment, an error may occur.

7.4 Proxy Settings

On the [Proxy Settings] tab, settings for the proxy server used by Enterprise Suite can be specified.



Note

If "Run as an Administrator" is not enabled in the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 environment, an error may occur.



Note

To register a new license or delete a license in "License Management" on page 6-6 in Server Settings, the [Proxy Settings] tab must be configured properly.

Function	Details
Use HTTP Proxy Server	Select this check box when you use a proxy server.
Proxy Server Address	Type in the proxy server address.
Proxy Server Port Number	Type in the port number of the proxy server.
Use HTTP Proxy Account	Select this check box when you use an account of the proxy server.
User Name	Type in the user name.
Password	Type in the password.

7.5 Server Address

Specify the address or host name of Enterprise Suite. The "Server Address" setting is used to notify each device under Enterprise Suite of the IP address of Enterprise Suite. It is not available for the network setting of the server computer.

If the "Server Address" is not specified, Enterprise Suite automatically recognizes address information of the server computer. However, when using Enterprise Suite in the following environment, be sure to specify "Server Address".

- The server computer automatically acquires the IP address.
- IPv4 and IPv6 reside together on the network.
- When the server computer has multiple IP addresses

7.5.1 Available operations in the Server Address page

Specify server address information to be referenced when the device accesses Enterprise Suite.

Function	Details
IPv4 Address	Select this check box to enter the IP address of the server computer when fixing the server computer address in the IPv4 environment.
IPv6 Address	Select this check box to enter the IP address of the server computer when fixing the server computer address in the IPv6 environment.
DNS Host Name	Select this check box to enter the host name of the server computer when automatically acquiring the address of the server computer or operating in the environment with IPv4 and IPv6 mixed.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.



Reminder

Each device references "Server Address" setting items when accessing Enterprise Suite. The setting items, for example, a method for acquiring the IP address of the server computer or the version of the in-use IP address, vary depending on your network environment. For details, refer to "Network environment and setting items" on page 7-11.



...

Note

Before performing any operations, Enterprise Suite must be stopped. If Enterprise Suite is running, settings are not available and cannot be changed.



...

Note

If "Run as an Administrator" is not enabled in the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 environment, an error may occur.



...

Note

Certain kinds of installed add-on applications may not perform correctly if the device setting is not reconfigured in the add-on application page. If the message "Register the target device again even if it is already registered in the following applications." appears, use the specified applications to reconfigure settings.

7.5.2 Network environment and setting items

Specify server address information, for example, a method for acquiring the IP address of the server computer or the version of the in-use IP address, to fit your network environment.

When the server computer automatically acquires the IP address

If the IP address of the server computer is automatically acquired by DHCP, a communication is established using the DNS host name of the server computer.

Function	Details
IPv4 Address	-
IPv6 Address	-
DNS Host Name	Enter the host name of the server computer.



Note

When automatically acquiring the server address using Enterprise Suite, for example, in the DHCP environment, be sure to specify the DNS host name. If you do not do so, certain kinds of add-on applications may not perform correctly.

When the IP address of the server computer is fixed

If the fixed IP address is assigned to the server computer, Enterprise Suite automatically recognizes address information of the server computer; therefore, you do not need to configure settings in this step.

Function	Details
IPv4 Address	-
IPv6 Address	-
DNS Host Name	-

**Note**

However, set the IP address to "IPv4 address" or "IPv6 address" depending on the version of the IP address that is used for Enterprise Suite when:

- Establishing a communication using the IP address in the second network to be connected while the server computer is using multiple network cards, or

- Assigning a virtual IP address to Enterprise Suite while Enterprise Suite is managed in a cluster environment.

7.6 Backup

On the [Backup] tab, the database for Enterprise Suite can be backed up. Time interval for backing up the database can also be specified.

**Note**

Check that the folder specified in the "Save Directory" text box has Microsoft SQL Server write permissions.

In addition, if an existing file is specified as the backup file, check that the specified file has Microsoft SQL Server write permissions.

**Note**

The following data cannot be backed up.

- System administrator's password
- Database setting
- Server address
- Proxy setting
- Port number specified at installation
- All data of Gateway for Biometric Authentication Manager

For details, refer to a user's guide attached to each add-on application.

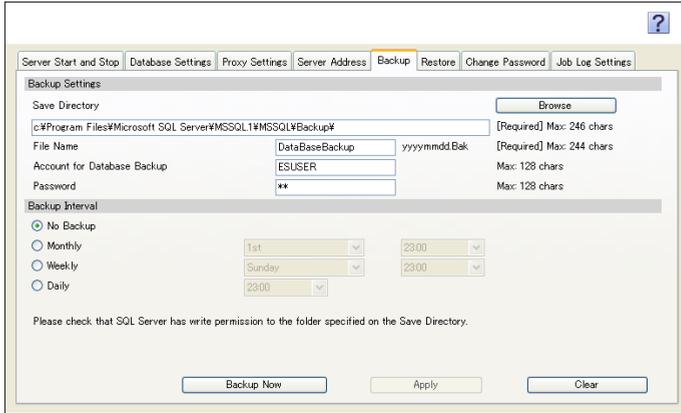
**Note**

If "Run as an Administrator" is not enabled in the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 environment, an error may occur.

**Reminder**

Backing up the database while the server is running may fail. Backup operation is recommended by clicking [Backup Now] while the server is being stopped.

Before executing backup, ensure there are no users accessing Enterprise Suite. If a logged-on user has changed the settings, the settings may not be saved correctly.



Function	Description
Backup Settings	<p data-bbox="521 667 997 691">Specify the location where the backup file is to be saved.</p> <p data-bbox="521 707 594 746"> ...</p> <p data-bbox="557 754 605 778">Note</p> <p data-bbox="557 778 1005 858"><i>The folder name specified in [Save Directory] and the file name specified in [File Name] must be no more than a total of 246 characters.</i></p> <p data-bbox="521 895 594 935"> ...</p> <p data-bbox="557 943 658 967">Reminder</p> <p data-bbox="557 967 1005 1121"><i>If [Computers on the network] is selected on the [Database Settings] tab in Admin Console, specify the save directory in a computer where the database is installed. In this case, you cannot specify the save directory in a computer where Admin Console is installed.</i></p>

Function	Description
Save Directory	Specify the folder where the database is to be backed up. The backup folder can also be specified by clicking the [Browse] button.  ... Note <i>If [Computers on the network] is selected on the Database Settings tab in Admin Console, the [Browse] button is not available.</i>
File Name	Type in the name of the backup file.  ... Reminder <i>Date (yyyymmdd) and extension "Bak" are automatically added to the end of the file name specified here.</i>
Account for Database Backup	Type in the Microsoft SQL Server administrator's name.
Password	Type in the Microsoft SQL Server administrator's password.
Backup Interval	Select the time interval for automatically backing up the database.
No Backup	Select this setting if the database is not to be automatically backed up.
Monthly	Select this setting to back up the database every month on the specified date. Select the date and time that the database is to be backed up.
Weekly	Select this setting to back up the database every week on the specified day. Select the day and time that the database is to be backed up.
Daily	Select this setting to back up the database every day at the specified time. Select the time when the database is to be backed up.
[Backup Now] button	Click the [Backup Now] button to immediately back up the database.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.
Help button	Click this button to display the Help.



...

Reminder

To specify the backup interval, Enterprise Suite must have been successfully started.



...

Reminder

If "31st" is selected for "Monthly", the process is performed at the end of the month in months that do not have 31 days (for example April 30).

7.7 Restore

On the [Restore] tab, the database for Enterprise Suite can be restored.



Note

When the database is restored, all current data is erased and cannot be recovered.

Check that the file to be restored has Microsoft SQL Server read permissions.

Data backed up from a different version of Enterprise Suite cannot be restored.

The database cannot be restored while it is being accessed. After restarting the computer, perform the restore operation.



Note

If "Run as an Administrator" is not enabled in the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 environment, an error may occur.



Note

A restore operation cannot be performed if the name of database that is used to back it up differs from the one specified during installation.



Note

The database cannot be restored unless the settings on the [Database Settings] tab have been correctly specified.

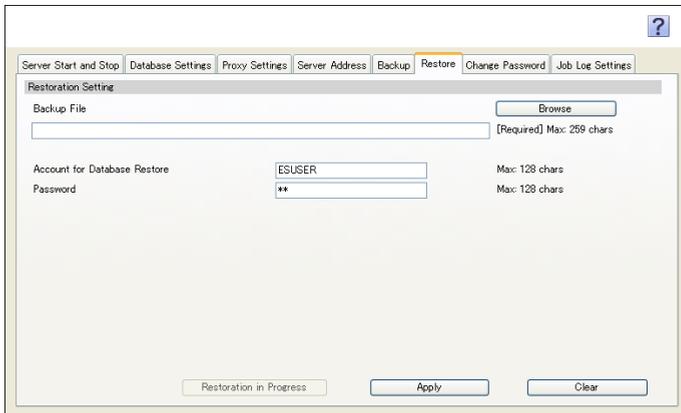
If these settings have been correctly specified, the message "Update Completed" appears when the [Apply] button on the [Database Settings] tab is clicked.



Note

A restore operation cannot be performed if the add-on application that has been installed during backup differs from the one that has been installed during restore.

For example, assume that you have backed up a database with Device Manager and Account Manager installed. With Authentication Manager installed in addition to Device Manager and Account Manager, it is not possible to perform a restore operation using the data that was backed up.



Function	Description
Backup File	<p>Specify the file for the database backup that is to be restored.</p> <p>The backup file to be restored can also be specified by clicking the [Browse] button.</p> <p> ...</p> <p>Note <i>If [Computers on the network] is selected on the Database Settings tab in Admin Console, the [Browse] button is not available.</i></p> <p> ...</p> <p>Reminder <i>If [Computers on the network] is selected on the Database Settings tab in Admin Console, specify the save directory in a computer where the database is installed. In this case, you cannot specify the save directory in a computer where Admin Console is installed.</i></p>
Account for Database Restore	Type in the Microsoft SQL Server administrator's name.
Password	Type in the Microsoft SQL Server administrator's password.
Help button	Click this button to display the Help.
[Restoration in Progress] button	Click this button to read the backup file specified in the [Backup File] text box and restore the database.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

7.8 Changing a password

On the [Change Password] tab, the password for the system administrator for Enterprise Suite can be changed.

Function	Description
New System Administrator Password	Type in the password for the system administrator for Enterprise Suite (5 to 64 characters).  ... Note <i>Spaces cannot be used.</i>
Reenter new Password.	For confirmation, type in the password entered in the [New System Administrator Password] text box.
Help button	Click this button to display the Help.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

7.9 Job log settings

On the [Job Log Settings] tab, settings for the job log function used in Account Manager can be specified.



Note

Account Manager must be installed to use this function.



Note

Before performing any operation, Enterprise Suite must be stopped. If Enterprise Suite is running, settings are not available and cannot be changed.

Function	Description
Job Log Function	Select whether to enable or disable job log functions.
Database Installation Location	Set the location to install the job log database.
Connection Setting of Database	Configure the settings for connection to the job log database.
Backup Settings	Specify the location where the backup file is to be saved.
Backup Interval	Specify the time interval of automatic backing up of the job log database.
Restoration Settings	Configure the settings to restore the job log database.
Create Database	Click this button to create a job log database based on the settings configured on this page.
Delete Database	Click this button to delete an existing job log database.

Function	Description
Apply	Click this button to apply the setting changes specified on this page.
Clear	Click this button to cancel the setting changes specified on this page.

<Job Log Function>

Function	Description
Enable	Select this when using various job log functions in Account Manager.
Disable	Select this when not using any job log functions in Account Manager.

<Database Installation Location>

**Note**

If [Enable] is not selected for [Job Log Function], the setting items are grayed out and cannot be specified.

Function	Description
Local Computer	Select this if the database and Enterprise Suite are installed in the same computer.
Computers on the network	Select this if the database and Enterprise Suite are not installed in the same computer. In the [IP Address / DNS Host Name] text box, type in the IP address or DNS host name of the server on which the database is running.

<Connection Setting of Database>

**Note**

If [Enable] is not selected for [Job Log Function], the setting items are grayed out and cannot be specified.

Function	Description
Instance Name	Type in the instance name for the job log database (up to 16 alphanumeric characters).
Account	Type in the account name of the administrator for the job log database (up to 128 alphanumeric characters). A new account name must be specified for the administrator of the job log database.
Password	Type in the password of the administrator account for the job log database (up to 128 alphanumeric characters).
SSL Authentication	Select whether to enable SSL for connecting Enterprise Suite with the job log database.

**Note**

If "Run as an Administrator" is not enabled in the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 environment, an error may occur.

<Backup Settings>



...

Note

If [Enable] is not selected for [Job Log Function], the setting items are grayed out and cannot be specified.



...

Note

The folder name specified in [Save Directory] and the file name specified in [File Name] must be no more than a total of 246 characters.



...

Reminder

If [Computers on the network] is selected on the [Database Installation Location], specify the save directory in a computer where the database is installed. In this case, you cannot specify the save directory in a computer where Admin Console is installed.

Function	Description
Save Directory	<p>Specify the folder where the job log database is to be backed up to. The backup folder can also be specified by clicking the [Browse] button.</p> <p>...</p> <p>Note <i>If [Computers on the network] is selected on the [Database Installation Location], the [Browse] button is not available.</i></p>
File Name	<p>Type in the name of the backup file.</p> <p>...</p> <p>Reminder <i>Date (yyyymmdd) and extension "Bak" are automatically added to the end of the file name specified here.</i></p>

<Backup Interval>



Note

If [Enable] is not selected for [Job Log Function], the setting items are grayed out and cannot be specified.

Function	Description
No Backup	Select this setting if the database is not to be automatically backed up.
Monthly	Select this setting to back up the database every month on the specified date. Select the date and time that the database is to be backed up.
Weekly	Select this setting to back up the database every week on the specified day. Select the day and time that the database is to be backed up.
Daily	Select this setting to back up the database every day at the specified time. Select the time when the database is to be backed up.
Account for Database Backup	Type in the Microsoft SQL Server administrator's name.
Password	Type in the Microsoft SQL Server administrator's password.
[Backup Now] button	Click the [Backup Now] button to immediately back up the job log database.



Reminder

To specify the backup interval, Enterprise Suite must have been stopped.



Reminder

If "31st" is selected for "Monthly", the process is performed at the end of the month in months that do not have 31 days (for example April 30).

<Restoration Settings>

**Note**

If [Enable] is not selected for [Job Log Function], the setting items are grayed out and cannot be specified.

Function	Description
Backup File	<p>Specify the file for the job log database backup that is to be restored. The backup file to be restored can also be specified by clicking the [Browse] button.</p> <p>Note <i>If [Computers on the network] is selected on the Database Settings tab, the [Browse] button is not available.</i></p> <p>Reminder <i>If [Computers on the network] is selected on the [Database Installation Location], specify the save directory in a computer where the database is installed.</i></p> <p><i>In this case, you cannot specify the save directory in a computer where Admin Console is installed.</i></p>
Account for Database Restore	Type in the Microsoft SQL Server administrator's name.
Password	Type in the Microsoft SQL Server administrator's password.
[Restoration in Progress] button	Click this button to read the backup file specified in the [Backup File] text box and restore the database.

<Creating a database>

Click the [Create Database] button to create a new job log database based on the settings configured in the [Job Log Settings] tab.

Function	Description
Account	Type in the Microsoft SQL Server administrator's name.
Password	Type in the Microsoft SQL Server administrator's password.

<Deleting a database>

Click the [Delete Database] button to delete an existing job log database.

Function	Description
Account	Type in the Microsoft SQL Server administrator's name.
Password	Type in the Microsoft SQL Server administrator's password.

8 Setting for each purpose

8.1 Automatically creating (registering) a list of devices to be managed

Use the following steps to search for devices in the network and automatically register target devices in a device list.

Automatically registering a device

- 1 In the Top Menu page, select [Device Auto Discovery] - "Search Now" to search for devices in a local network.
 - When searching for the other network, specify a search schedule or search method.
- 2 The automatically searched devices are displayed as a list in the Top Menu - [Device List] page.
 - For details, refer to the relevant help file or User's Guide.

8.2 Registering (adding) devices not connected to the network

Use the following steps to manually register devices in the device list.

Registering devices not connected to the network

- 1 On the Top Menu page, select [Device List] - [Manual Device Registration] - [Virtual Device Registration] page, and register information on devices not connected to the network.
- 2 The registered devices are displayed as a list in the Top Menu - [Device List] page.
 - For details, refer to the relevant help file or User's Guide.

8.3 Immediately notifying a status change (error) in a managed device

Use the following steps to notify a status change (error) in each device by E-mail.

Setting a device status notification

- 1 On the Top Menu page, select [Server Settings] - [E-mail Server Settings] page, and enable "Use E-mail Function".
- 2 On the Top Menu page, select [Device List] - [Device Status Notification] page, and add a device status notification.
 - For details, refer to the relevant help file or User's Guide.

8.4 Collectively changing the settings of managed devices

Use the following steps to collectively configure device settings using the existing device settings as a template.

Multi-setting

- 1 On the Top Menu page, select [Device List] - [Device List] page, and define the data to be pre-specified (basic data).
- 2 On the Top Menu page, select [Device List] - [Multi-Setting] page, and add a Multi-Setting template for the target device.
- 3 In "Get from Device", get settings (prepared in step 1) from the device that is already registered.
- 4 In "Set to Devices", select devices that are targeted for multi-setting.
 - For details, refer to the relevant help file or User's Guide.

8.5 Receiving the usage status (counter information) of a managed device as an electronic file

Use the following steps to receive counter information for each device by E-mail.

Counter notification setting

- 1 On the Top Menu page, select [Server Settings] - [E-mail Server Settings] page, and enable "Use E-mail Function".
- 2 On the Top Menu page, select [Device List] - [Counter Notification] page, and add a counter notification.
 - For details, refer to the relevant help file or User's Guide.

8.6 Registering a user

Use the following steps to register a user in the User List page.

Registering a user

- On the Top Menu page, select [User List] - [User List] page, and enable "Register User".
 - Select "Import" - "Import from device" to enable you to import user information from a registered device.
 - For details, refer to the relevant help file or User's Guide.

8.7 Checking counter information of a managed device

Use the following steps to check counter information obtained from each device in [Counter Reader].

Displaying counter information

- On the Top Menu page, select [Counter Reader] - [Counter Information], and select device and period to display counter information.
 - For details, refer to the relevant help file or User's Guide.

8.8 Registering licenses for each application

Use the following steps to register licenses for each application to enable you to operate applications.

When connecting your computer to Internet:

- 1 Log on to Admin Console, select the "Proxy Settings" tab, and configure the proxy server settings.
- 2 On the Top Menu page, select [Server Settings] - [License Management], and register the license key.
 - For details, refer to the relevant help file or User's Guide.

When not connecting your computer to Internet:

- On the Top Menu page, select [Server Settings] - [License Management], and register the license key.
 - For details, refer to the relevant help file or User's Guide.

8.9 Saving a registered database

Use the following steps to back up or restore an Enterprise Suite database.

Backing up a database

- Log on to Admin Console, select the "Backup" tab, type in the storage location and file name, and click the "Backup Now" button.
 - Backup can be carried out at periodic intervals by specifying a schedule.
 - For details, refer to the relevant help file or User's Guide.

Restoring a database

- Log on to Admin Console, select the "Restore" tab, specify a backup file, and click the "Restoration in Progress" button.
 - For details, refer to the relevant help file or User's Guide.



Reminder

Before restoration, select Admin Console - "Server Start and Stop", and stop the server.

8.10 Using Enterprise Suite Terminal

To use Enterprise Suite Terminal in Enterprise Suite, register the target device in Enterprise Suite, then associate the registered device with Enterprise Suite Terminal.

Registering a device

- On the Top Menu page, select [Device Auto Discovery] - "Search Now" to register the target device.
 - To manually register a device, enter the IP address of the device on the [Manual Device Registration] page.

Associating Enterprise Suite Terminal with a device

- 1 Select Top Menu - [Device List]. On the [Device List] page, display the device list, then click "Registered Name" of the target device on which Enterprise Suite Terminal be used.
- 2 On the Device Management page, click the [Terminal] tab.
- 3 Enter the required information.
 - Select the [Use the terminal.] check box.
 - Enter the serial number of the Enterprise Suite Terminal into [Serial number].
 - Enter the IP address of the Enterprise Suite Terminal into [IP Address].

- 4 Click the [Apply] button.

The firmware version is displayed automatically.

The association of the Enterprise Suite Terminal and device is then completed.

9 Troubleshooting

9.1 Problems related to logging

Description of problem	Action
<p>You do not know how to access the Login page of Enterprise Suite.</p>	<p>(1) Start up the Web browser. (2) Access the following URL:</p> <ul style="list-style-type: none"> • When accessing from a computer in which Enterprise Suite is running: http://localhost/PSES/ • When accessing from a computer different from a computer in which Enterprise Suite is running: http://[server_name]/PSES/ <p>For server_name, specify the name or IP address of the host on which Enterprise Suite is running. (3) The Login page appears.</p>
<p>You do not know the system administrator password of the Login page.</p>	<p>The default system administrator password for Enterprise Suite is Admin. The Enterprise Suite system administrator's password can be changed from Admin Console.</p>

9.2 Problems related to page display

Description of problem	Action
All characters in the Login page are not displayed correctly.	Check that UTF-8 is set as the character encoding for the Web browser. You may experience difficulties displaying the page if any other character encoding is used.
Pages are not displayed correctly when accessing the Enterprise Suite installed in the Windows XP, Windows Vista, or Windows 7.	Do not log on with multiple Web browsers from the same computer. You may experience difficulties using the browser if you have logged on multiple times. For example, with Windows XP Professional, ten users can connect at the TCP level at the same time.
A part of information or page layout is not displayed correctly.	Confirm the Web browser settings. If "Image display" or style sheet is set to OFF in the Web browser setting, you may experience difficulties using the browser.
If data is exported in the Windows Internet Explorer environment, the yellow "Internet Explorer information bar" appears on the top of the page.	Check the Internet Explorer security level. There may be usage interference if "Medium" or higher is selected as the Intranet security level. Check that the security level is set to "Medium-low" or lower. For the Internet Explorer security level, refer to the Internet Explorer help.
When "File Download" is executed in the Windows Internet Explorer environment, login is prompted again, resulting in a file export failure.	Check the Internet Explorer security level. There may be usage interferences if "Medium" or higher is selected as the Intranet security level. Check that the security level is set to "Medium-low" or lower. For the Internet Explorer security level, refer to the Internet Explorer help.

9.3 Problems related to Device List

Description of problem	Action
<p>"SNMP Unicast Discovery" does not exit in the "Device Auto Discovery" page.</p>	<p>If a too wide discovery range is specified, it takes a long time to complete a discovery process. Check the discovery range again. Example: When the following settings are configured in Specify Class: IP address (Start) = 10. 0. 0. 0 IP Address (End) = 10.255.255.255 Discovery time: Approx. 300 hours</p>
<p>Message "The value can not be applied to the device because the SNMP Write Settings in the Device Information Settings screen is incorrect." appears, and the required value cannot be applied to the device.</p>	<p>Check that the device is powered on.</p> <p>To have a communication with the target device, the settings of "Device Information Settings" page in Device List must match those specified on the device. Check the settings of the "Device Information Settings" page in Device List below.</p> <ul style="list-style-type: none"> • SNMP Read Settings: Check the SNMP settings for the relevant device or the settings of "Device Information Settings" page in Device List. • SNMP Write Settings: Check the SNMP settings for the relevant device or the settings of "Device Information Settings" page in Device List.
<p>Message "The data can not be applied to the device since the OpenAPI setting in the Device Information Settings screen is incorrect." appears, and the required value cannot be applied to the device.</p>	<p>Check that the device is powered on.</p> <p>To have a communication with the target device, the settings of "Device Information Settings" page in Device List must match those specified on the device. Check the settings of the "Device Information Settings" page in Device List below.</p> <ul style="list-style-type: none"> • OpenAPI Setting: Check the OpenAPI Setting for the relevant device or the settings of "Device Information Settings" page in Device List. • Admin.Authority: Check the WebDAV settings for the relevant device or the settings of "Device Information Settings" page in Device List.

Description of problem	Action
<p>If "Confirm Device Connection" is selected in the "Device Information Settings", "Failure" is displayed in "Admin.Authority", "OpenAPI Setting", "Authentication Settings", "SNMP Read Settings", or "SNMP Write Settings".</p>	<p>Check that the device is powered on.</p> <p>To have a communication with the target device, the settings of "Device Information Settings" page in Device List must match those specified on the device. Check the settings of the "Device Information Settings" page in Device List below.</p> <ul style="list-style-type: none"> • OpenAPI Setting: Check the OpenAPI Setting for the relevant device or the settings of "Device Information Settings" page in Device List. • SNMP Read Settings: Check the SNMP settings for the relevant device or the settings of "Device Information Settings" page in Device List. • SNMP Write Settings: Check the SNMP settings for the relevant device or the settings of "Device Information Settings" page in Device List. • Authentication Settings: Check the WebDAV settings for the relevant device or the settings of "Device Information Settings" page in Device List. • Admin.Authority: Check the administrator password settings for the relevant device or the settings of "Device Information Settings" page in Device List. <p>Check that "Enable" is specified in "http Server Setting" of the device.</p>
<p>No device can be searched automatically when automatic discovery is specified in the Device Auto Discovery" page, or "timeout" is displayed when a device is registered in the "Manual Device Registration" page.</p>	<p>Check that the device is powered on.</p> <p>No device can be searched or registered depending on environment. Change the value of "SNMP Settings" in the "Detail Settings", and confirm the result again.</p> <p>Check that a device to be registered contains the MIB, which conforms to RFC1213 (MIB-II), RFC1514 (Host Resource MIB), or RFC1759 (Printer MIB).</p>

9.4 Problems related to User List

Description of problem	Action
<p>When "Import from a device" is selected in the "User List" or "Account Track List", an error occurs, and data cannot be imported properly.</p>	<p>Check that the device is powered on.</p> <p>To import data from the target device, the settings of "Device Information Settings" page in Device List must match those specified on the device.</p> <p>Check the settings of the "Device Information Settings" page in Device List.</p> <p>If the setting is incorrect, a part of the information may be imported.</p> <ul style="list-style-type: none"> • Error (SNMP): Check the SNMP settings for the relevant device or the settings of "Device Information Settings" page in Device List. • Error (HTTP): Check the HTTP settings or WebDAV settings for the relevant device or the settings of "Device Information Settings" page in Device List. • Error (FTP): Check the FTP settings for the relevant device or the settings of "Device Information Settings" page in Device List. • Error (Other): Import data from the device again. Otherwise, check the settings of the "Device Information Settings" page in Device List. <p>In the IPv6 environment, use a global address. Some functions may not be available if any address other than the global address is used.</p>

9.5 Problems related to Counter Reader

Description of problem	Action
<p>"Timeout" is displayed as the result in the "Counter Collection Results" page.</p>	<p>Check that the device is powered on.</p> <p>To collect counter data from the target device, the settings of "Device Information Settings" page in Device List must match those specified on the device. Check the settings of the "Device Information Settings" page in Device List.</p>
<p>"Error" is displayed as the result in the "Counter Collection Results" page.</p>	<p>To collect counter data from the target device, the settings of "Device Information Settings" page in Device List must match those specified on the device. Check the settings of the "Device Information Settings" page in Device List.</p> <ul style="list-style-type: none"> • Error (SNMP): Check the SNMP settings for the relevant device or the settings of "Device Information Settings" page in Device List. • Error (HTTP): Check the HTTP settings or WebDAV settings for the relevant device or the settings of "Device Information Settings" page in Device List. • Error (FTP): Check the FTP settings for the relevant device or the settings of "Device Information Settings" page in Device List. • Error (Others): Perform counter collection again. Otherwise, check the settings of the "Device Information Settings" page in Device List.



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