Universal Print Driver

System Administrator's Guide

Platform Development Division 2
System Platform Development Center R&D Headquarters Business Technologies
KONICA MINOLTA, INC.

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3.2.2	Jan/31/2017	• Corrected target version to Ver.3.2.2 release version	Released edition	Y.Nobuta
3.3.0	Sep/29/2017	• Corrected target version to Ver.3.3.0 release version • 2.1. System requirements Corrected to Ver.3.3.0 release version • 2.3 Supported Models Corrected to Ver.3.3.0 release version	Released edition	Y.Nobuta
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Target Driver Version

The information in this document applies to the following versions of the KONICA MINOLTA Universal Print Drivers.

- KONICA MINOLTA Universal PCL Version 3.4.0.0
- KONICA MINOLTA Universal PCL5 Version 3.4.0.0
- KONICA MINOLTA Universal PS Version 3.4.0.0

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1. Introduction

Konica Minolta's Universal Print Driver is a powerful new print solution that increases print productivity and reduces administrative costs by offering a single printer driver for all devices.

User Benefits

- **Easier printer management**

  You can access multiple printers in your office using a single KONICA MINOLTA Universal Print Driver. Eliminate the work and cost of installing and managing separate printer drivers for each division.

- **Fewer printer icons**

  With a KONICA MINOLTA Universal Print Driver, you do not need to create a large number of printer icons. This eliminates several issues, such has cluttering your computer with many seldom-used icons, and having to guess which printer to select every time you print something.

- **Choosing the best printer**

  - **Choosing by printing method**

  You can select a printer based on information about the printing speed and functionality of each printer. For example, if you want to print to A3-sized paper in color at a speed of at least 20 ppm, you can easily find the printer that matches these parameters, and print to that printer.

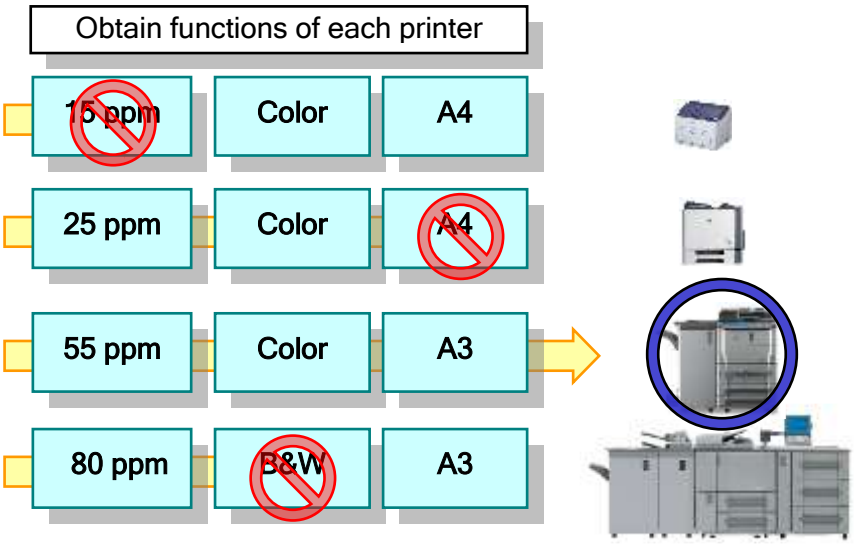

Figure 1-1-1 Example of Selecting Printer by Printing Method

  - **Choosing by printer status**

You can make sure that a printer does not have an error or warning, and check the backlog of jobs on the printer. Check the status of each printer, and choose the one that can print your job the fastest.

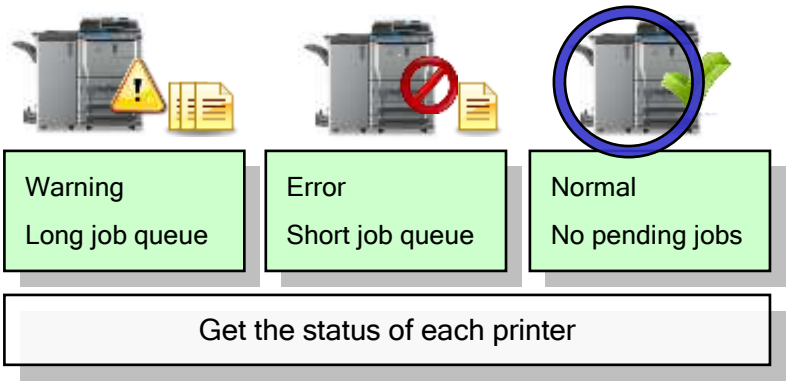

Figure 1-1-2 Example of Selecting Printer by Printer Status

- **Printing immediately while away from the office**

  Once you have installed KONICA MINOLTA Universal Print Driver, you can print right away while you are away from the office without installing a new printer driver or setting the printer's IP address. Universal Print Driver will detect the available printers at your current office; all you need to do is select the printer that suits your needs.

Features

- Print to KONICA MINOLTA devices as well as third-party devices (see **2.4 Third-Party Product Compatibility** for details).
- Use many KONICA MINOLTA devices with nearly the same windows and functionality as a normal driver (see **2.3 Supported Models** for details).
- Determine the device of output destination when add a printer icon, and display Printing Preferences that matches the model.
- From the device list on the Universal Print Driver window, you can check the name, status, location, printing speed, IP address, Mac address, color-printing capabilities (whether it is color or B&W), and PDL support of each device, and select devices as well.
- Three methods of device access are available: "Network Search", "History", and "Manual Connection". Access your devices using the method suited to your needs.

2. Software Description

2.1 System requirements

KONICA MINOLTA Universal Print Driver supports the following OS versions and environments.

- Windows
  - Windows Server 2008 Standard (x86/x64)
  - Windows Server 2008 Enterprise (x86/x64)
  - Windows Server 2008 R2 Standard
  - Windows Server 2008 R2 Enterprise
  - Windows 7 Home Basic
  - Windows 7 Home Premium (x86/x64)
  - Windows 7 Professional (x86/x64)
  - Windows 7 Enterprise (x86/x64)
  - Windows 7 Ultimate (x86/x64)
  - Windows Server 2012 Standard
  - Windows Server 2012 Datacenter
  - Windows Server 2012 Essentials
  - Windows 8.1
  - Windows 8.1 Pro
  - Windows Server 2012 R2 Standard
  - Windows Server 2012 R2 Datacenter
  - Windows Server 2012 R2 Essentials
  - Windows 10
  - Windows Server 2016

- Citrix
  - Citrix XenApp 6.5
  - Citrix XenApp 7.15
  - Citrix XenDesktop 7.14
  - Citrix XenDesktop 7.15

2.2 UPD Components

KONICA MINOLTA Universal Print Driver consists of three main types of component: UPD Core, Model Definition Files and the Device Selector. UPD Core is the core module of UPD,

and provides functionality used internally throughout UPD. Model Definition Files are the modules that define the behavior of each model. Definition files are hierarchical structure and common definition are gathered between the models in order to restrain the increase of driver file size. The Device Selector is a module for selecting the output device when printing. After you have selected the output device, you can connect the definition files that are appropriate for that device.

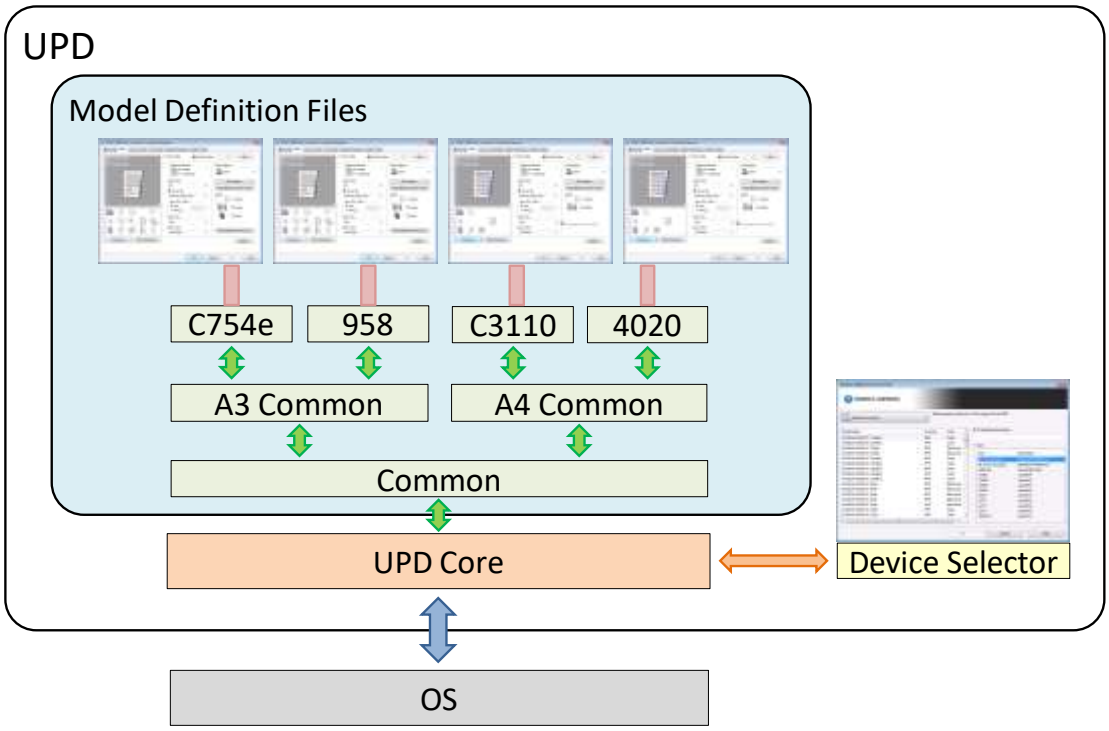

Figure 2-2-1 UPD Components

2.3 Supported Models

The table below lists the KONICA MINOLTA devices supported by each of the Universal Print Drivers.

KONICA MINOLTA A3/A4 individual Driver (*1)	**KONICA MINOLTA A3 common Driver(*2)**	**KONICA MINOLTA A4 common Driver(*3)**	**Semi-individual Driver(*4)**	**Baseline Driver (*5)**	**ubiquitous Driver (*7)**
bizhub 362/282/222	bizhub C353P	magicolor 4650EN/DN	bizhub 195/215/235 **(*6)**	163/211 **(*6)**	Pull Printing**(*8)**
bizhub 501/421/361	magicolor 8650DN	magicolor 5550/5570	bizhub 20/20P	Other products	
bizhub 751/601	bizhub C200	magicolor 5650/5670	bizhub 25e		
bizhub 423/363/283/223	bizhub C210	magicolor 5450			
bizhub 652/602/552/502	bizhub C650/C550/C451	magicolor 4695MF			
bizhub C360/C280/C220	bizhub 500/420/360	pagepro 4650/5650			
bizhub C35/C35P/C25	bizhub 750/600				
magicolor 4750		bizhub C20P			
bizhub C652/C552/C452	bizhub C450/C450P/C351	bizhub C30P/C31P			
bizhub C652DS/C552DS	bizhub C352/C352P/C300	bizhub C20			
bizhub 42/36	bizhub C250/C250P				
bizhub C754(e)/C654(e)	bizhub C252/C252P				
bizhub C554(e)/C454(e)/C364(e)/C284(e)/C224(e)	bizhub C353/C253/C203				

bizhub 754(e)/654(e)	bizhub 350/250/200				
bizhub 4700P/4000P/3300P/3301P					
bizhub 554e/454e/364e/284e/224e					
bizhub C3850/C3350/C3850FS					
bizhub 4750/4050					
bizhub 4020/3320					
bizhub C3100P					
bizhub C281/C221/C221s					
bizhub 367/287/227					
bizhub C368/C308/C258					
bizhub C287/C227					
bizhub 958/808/758					
bizhub C658/C558/458					
bizhub C353P					
bizhub C650/C550/C451					
bizhub C353/C253/C203					
bizhub 350/250/200					

bizhub 368/308					
bizhub 558/458					
bizhub C266/C226					
bizhub C3851/C3351/C3851FS					
bizhub 658e/558e/458e/368e/308e					
bizhub C759/C659					
bizhub 4752/4052					
bizhub 4402P/3602P					
bizhub 4422/3622					
bizhub Workplace Hub					

(*1) This indicates a printer driver supporting an individual model. The devices listed in this column can print using nearly the same functionality as a normal driver. See **Table 2-3-2 Differences between KONICA MINOLTA A3/A4 individual Driver and Production Version Drivers** for details about the differences between normal drivers and KONICA MINOLTA A3/A4 individual Driver.

(*2) This is a common printer driver for KONICA MINOLTA devices that support A3 paper. It mainly supports the bizhub series.

(*3) This is a common printer driver for KONICA MINOLTA devices that do not support A3 paper. It mainly supports the magicolor and pagepro series.

(*4) This indicates a printer driver supporting a semi-individual model. Although some functions are restricted, printing from a Universal Print Driver is supported. See **Table 2-3-3 Differences between Semi-individual Drivers and Production Version Drivers** for details about the differences between Semi-individual Drivers and Production Version Drivers.

(*5) These are common printer drivers included with third-party products. Only the main functionality is available. (See section **2.4**).

(*6) PCL and PCL5 driver only

(*7) PCL and PS driver only

(*8) It is a common printer driver for ubiquitous printing environment.

Table 2-3-1 KONICA MINOLTA products supported by Universal Print Driver

Model	PDL	Target	Differences from Production Version Drivers
bizhub 501/421/361	PCL/PS	Printing Preferences	Functionality below are not supported. ・Combination(No Reduction) ・Print Type - Booklet(No Reduction) ・Starting Number of Page Number ・Header Position / Footer Position ・Draft Print ・Smoothing
bizhub 751/601	PCL/PS	Printing Preferences	Functionality below are not supported. ・Combination(No Reduction) ・Print Type - Booklet(No Reduction) ・Starting Number of Page Number ・Header Position / Footer Position ・Draft Print ・Smoothing
bizhub 362/282/222	PCL/PS	Printing Preferences	・Smoothing is not supported.
bizhub 42/36	PCL/PS	Printing Preferences	Functionality below are not supported. ・Separator Page ・Email Notification
bizhub C35/C35P/C25, magicolor 4750	PCL/PS	Printing Preferences	Functionality below are not supported. ・Separator Page ・Email Notification

bizhub C3850/C3350/C3850FS	PCL/PS	Printing Preferences	Functionality below are not supported. ・Separator Page ・Email Notification
bizhub 4750/4050	PCL/PS	Printing Preferences	Functionality below are not supported. ・Separator Page ・Email Notification
bizhub C3100P/C3110	PCL/PS	Printing Preferences	Functionality below are not supported. ・Separator Page ・Email Notification
bizhub 4700P/4000P/3300P/3301P	PCL/PS	Printing Preferences	Functionality below are not supported. ・Separator Page ・Email Notification
bizhub 4020/3320	PCL/PS	Printing Preferences	Functionality below are not supported. ・Separator Page ・Email Notification

Note: Items not supported by the KONICA MINOLTA A3/A4 individual Driver may be described in the help.

Note: There is no describe of PCL5 because KONICA MINOLTA Production Version Drivers have no PCL5 driver. For features that available in Universal Print Driver PCL5 driver, please refer to "6. Appendix".

(*1) For some KONICA MINOLTA A3/A4 individual Drivers and Production Version Drivers, the default value is [2 sided].

Table 2-3-2 Differences between KONICA MINOLTA A3/A4 individual Driver and Production Version Drivers

Model	PDL	Target	Differences from Production Version Drivers
Common to All Models	PCL/PS	General	・The screen setup differs. ・There is no Help.

bizhub 20/20P	PCL	Printing Preferences	The following items are not supported. ・[Basic] tab-[Paper Size]-[A5 Long Edge],[A6],[B5],[B6],[Monarch], [3 x 5],[A4 Long],[Folio],[DL Long Edge] ・[Basic] tab-[Media Type] ・[Basic] tab-[Resolution]　(600 dpi fixed) ・[Basic] tab-[Print Settings] ・[Basic] tab-[Multiple Page]-[25 in 1],[1 in 2x2 Pages],[1 in 3x3 Pages], [1 in 4x4 Pages],[1 in 5x5 Pages] ・[Basic] tab-[Page Order] ・[Basic] tab-[Border Line] ・[Basic] tab-[Duplex]-[Booklet] ・[Basic] tab-[First Page] ・[Basic] tab-[Other Pages]-[MP Tray] ・Other than [Advanced] tab-[Scaling]
	PS	Printing Preferences	The following items are not supported. [Paper/Output]-[Paper Size]-[A5 Long Edge],[A6],[B5],[B6],[Monarch], [3 x 5],[A4 Long],[Folio],[DL Long Edge] [Graphic]-[True Type Font] [Document Options]-[Advanced Printer Features] [Document Options]-[PostScript Options]-[TrueType Font Download Option] [Document Options]-[PostScript Options]-[PostScript Language Level] (Level 3 fixed) [Document Options]-[PostScript Options]-[Negative Output] [Document Options]-[Printer Features]-[Print Quality] (600 dpi fixed) [Document Options]-[Printer Features]-[Media Type] [Document Options]-[Printer Features]-[Secure Print] [Document Options]-[Printer Features]-[Password] [Document Options]-[Printer Features]-[Job Name] [Document Options]-[Printer Features]-[Toner Save] [Document Options]-[Printer Features]-[Half Tone Screen Lock] [Document Options]-[Printer Features]-[High Quality Image Printing] [Document Options]-[Printer Features]-[Improve Print Output] [Document Options]-[Printer Features]-[Density Adjust]

bizhub 195/215/235	PCL	Printing Preferences	The following items are not supported. [Setup] tab-[Paper Size]-[FLS 8 1/8 x 13 1/4],[FLS 8 x 13],[FLS 8 1/2 x 13 1/2],[8K] [Setup] tab-[Collate] [Setup] tab-[Paper Type]-[Recycle 2-side] [Per Page Settings] tab functions [Quality] tab-[Resolution] (600 dpi fixed) [Adjustment] dialog functions The following items are supported. [Job] tab-[User Settings]-[User Name],[Job Name] [Job] tab-[Combination Details]-[border]-[frame],[Line] [Edit Watermark] dialog-[Sharing] [Edit Watermark] dialog-[Frame] [Edit Watermark] dialog-[Repeat] [Job] tab-[Font Settings] dialog functions
	PCL	Properties	The following items are supported. [Settings] tab-[EMF Spool] [Settings] tab-[Display Constraint Message] [Settings] tab-[Display paper set in Print Server Properties]

Note: There is no describe of PCL5 because KONICA MINOLTA Production Version Drivers have no PCL5 driver. For features that available in Universal Print Driver PCL5 driver, please refer to "6. Appendix".

Table 2-3-3 Differences between Semi-individual Drivers and Production Version Drivers

2.4 Third-Party Product Compatibility

This section describes the third-party printers and multifunctional printers supported by KONICA MINOLTA Universal Print Drivers.

Information on the "Network Search" view

This page shows all the devices found on the network that are recognized as printers. Printers determined to be third-party devices as shown with the corresponding icon in the "Others" field. Information about color/black & white and PDL support is also obtained, and displayed on the Device Selector window. The Standby Job number, however, is not obtained.

Meanings of Icons		PDL Support **- Yes -**	PDL Support **- No -**
KONICA MINOLTA models	Color		
	B&W		
Others	Color		
	B&W		
	Unknown		

Table 2-4-1 Printer Type Icons

Printing to Third-party Devices

If a third-party device is selected, the "baseline PCL/PS/PCL5" driver is loaded, enabling print data to be sent. Konica Minolta cannot, however, guarantee the print results.

See **Table 2-4-2 baseline PCL / PS / PCL5 Driver functions** for the functionality provided by these drivers.

	baseline PCL	**baseline PS**	**baseline PCL5**	Remarks
	PCL XL Protocol 2.0	PS Level 3	PCL5c	
Job Tab				
Favorite Setting	Default Setting	Default Setting	Default Setting	
	User settings	User settings	User settings	
Original Orientation	Portrait	Portrait	Portrait	
	Landscape	Landscape	Landscape	
Original Size	Letter	Letter	Letter	(8.5x11 in)
	Legal	Legal	Legal	(8.5x14 in)
	Executive	Executive	Executive	(7.25x10.5 in)

	A3	A3	A3	(297x420 mm)/(11.7x16.5 in)
	A4	A4	A4	(210x297 mm)/(8.3x11.7 in)
	A5	A5	A5	(148x210 mm)/(5.8x8.3 in)
	A6	A6	A6	
	B4 (JIS)	B4 (JIS)	B4 (JIS)	(257x364 mm)/(10.1x14.3 in)
	B5 (JIS)	B5 (JIS)	B5 (JIS)	(182x257 mm)/(7.2x10.1 in)
	B6	B6	B6	
	11x17	11x17	11x17	(279.4x431.8 mm)/(11x17 in)
	Envelope Com10	Envelope Com10	Envelope Com10	(104.8x241.3 mm)/(4.1x9.5 in)
	Envelope DL	Envelope DL	Envelope DL	(110x220 mm)/(4.3x8.7 in)
	Envelope C5	Envelope C5	Envelope C5	(162x229 mm)/(6.4x9 in)
	Postcard	Postcard	Postcard	(100x148 mm)/(3.9x5.8 in)
	16K	16K	16K	(195x270 mm)/(7.7x10.6 in)
	Custom Size	Custom Size	Custom Size	
	[Custom Size Settings] Width: 90 - 311mm (3.55 - 12.25inch) Length: 140 - 1200mm (5.50 - 47.24inch) [Custom Size Settings]	[Custom Size Settings] Width: 90 - 311mm (3.55 - 12.25inch) Length: 140 - 1200mm (5.50～47.24inch)	[Custom Size Settings] Width: 90～311mm (3.55～12.25inch) Length: 140～1200mm (5.50～47.24inch)	
Paper Size	Same as Original Size	Same as Original Size	Same as Original Size	
	Letter	Letter	Letter	(8.5x11 in)
	Legal	Legal	Legal	(8.5x14 in)
	Executive	Executive	Executive	(7.25x10.5 in)
	A3	A3	A3	
	A4	A4	A4	(210x297 mm)/(8.3x11.7 in)
	A5	A5	A5	(148x210 mm)/(5.8x8.3 in)
	A6	A6	A6	
	B4 (JIS)	B4 (JIS)	B4 (JIS)	
	B5 (JIS)	B5 (JIS)	B5 (JIS)	(182x257 mm)/(7.2x10.1 in)
	B6	B6	B6	
	11x17	11x17	11x17	

	Envelope Com10	Envelope Com10	Envelope Com10	(104.8x241.3 mm)/(4.1x9.5 in)
	Envelope DL	Envelope DL	Envelope DL	(110x220 mm)/(4.3x8.7 in)
	Envelope C5	Envelope C5	Envelope C5	(162x229 mm)/(6.4x9 in)
	Postcard	Postcard	Postcard	(100x148 mm)/(3.9x5.8 in)
	16K	16K	16K	(195x270 mm)/(7.7x10.6 in)
	Custom Size	Custom Size	Custom Size	
Zoom	Auto	Auto	Auto	
	Manual (25 - 400%)	Manual (25 - 400%)	Manual (25-400%)	
Paper Tray	Auto	Auto	Auto	
	Manual Feed	Manual Feed	Manual Feed	
Copies	1-9999	1-9999	1-9999	
Combination	Off	Off	Off	
	On	On	On	
	2 in 1	2 in 1	2 in 1	
	4 in 1	4 in 1	4 in 1	
	6 in 1	6 in 1	6 in 1	
	9 in 1	9 in 1	9 in 1	
	16 in 1	16 in 1	16 in 1	
Combination Details	Left-to-Right / Top-to-Bottom	Left-to-Right / Top-to-Bottom	Left-to-Right / Top-to-Bottom	
	Right-to-Left / Bottom-to-Top	Right-to-Left / Bottom-to-Top	Right-to-Left / Bottom-to-Top	
	Sideways from Upper-Left	Sideways from Upper-Left	Sideways from Upper-Left	
	Downward from Upper-Left	Downward from Upper-Left	Downward from Upper-Left	
	Sideways from Upper-Right	Sideways from Upper-Right	Sideways from Upper-Right	
	Downward from Upper-Right	Downward from Upper-Right	Downward from Upper-Right	
Border	Off	Off	Off	
	On	On	On	
	Frame	Frame	Frame	
	Line	Line	Line	
Rotate 180	Off	Off	Off	
	On	On	On	
Skip Blank Pages	Off	NA	N/A	
	On	NA	N/A	
Print Type	1-Sided	1-Sided	1-Sided	
	2-Sided	2-Sided	2-Sided	
	Booklet	Booklet	Booklet	
Booklet Details				
Binding Direction	Left Binding / Top Binding	Left Binding / Top Binding	Left Binding / Top Binding	

		Right Binding / Bottom Binding	Right Binding / Bottom Binding	Right Binding / Bottom Binding	
	Border	Off	Off	Off	
		On	On	On	
Select Color		Auto Color	Auto Color	Auto Color	
		Gray Scale	Gray Scale	Gray Scale	
Font Settings					
	Download Font Format	N/A	Auto	N/A	
		Outline	Outline	Outline	
		Bitmap	Bitmap	Bitmap	
		N/A	Native TrueType	Native TrueType	
	Use Printer Fonts	Off	Off	Off	
		On	On	On	
Configure and Settings Tab					
Software Tools		Web Connection	Web Connection	Web Connection	
EMF Spool		Off	N/A	N/A	
		On	N/A	N/A	
Display Constraint Message		Off	Off	Off	
		On	On	On	
Display paper set in Print Server Properties		Off	Off	Off	
		On	On	On	

"N/A": Not Available

Table 2-4-2 baseline PCL / PS / PCL5 Driver functions

Supported PDL Protocols

- KONICA MINOLTA Universal PCL: PCLXL Protocol 2.0
- KONICA MINOLTA Universal PS: Postscript Level 3
- KONICA MINOLTA Universal PCL5 : PCL5c/PCL5e

Even if PDL is shown as supported, printing may not be possible if the output device's protocol is below that of the UPD.

3. Installing, Uninstalling, and Updating the UPD

3.1 Summary

By using the included installer/uninstaller, you can easily install or uninstall the KONICA MINOLTA Universal Print Driver.

NOTE: Perform a manual installation and uninstallation in a Microsoft Cluster Service or Citrix environment.

NOTE: You can also manually install or uninstall.
Updates cannot be performed manually.

NOTE: This update is only for KONICA MINOLTA Universal Print Driver Version 2.0.2.0 or later.
If you are using older version than 2.0.2.0, please update to 2.0.2.0 or later before updating to this version.

3.2 Install

- **Method 1: Installing in "Network Search" by using the Included Installer**
  1. Execute "UPDSetup.exe".
  2. Check the Software End User License Agreement, and if there are no problems, click **Agree**.

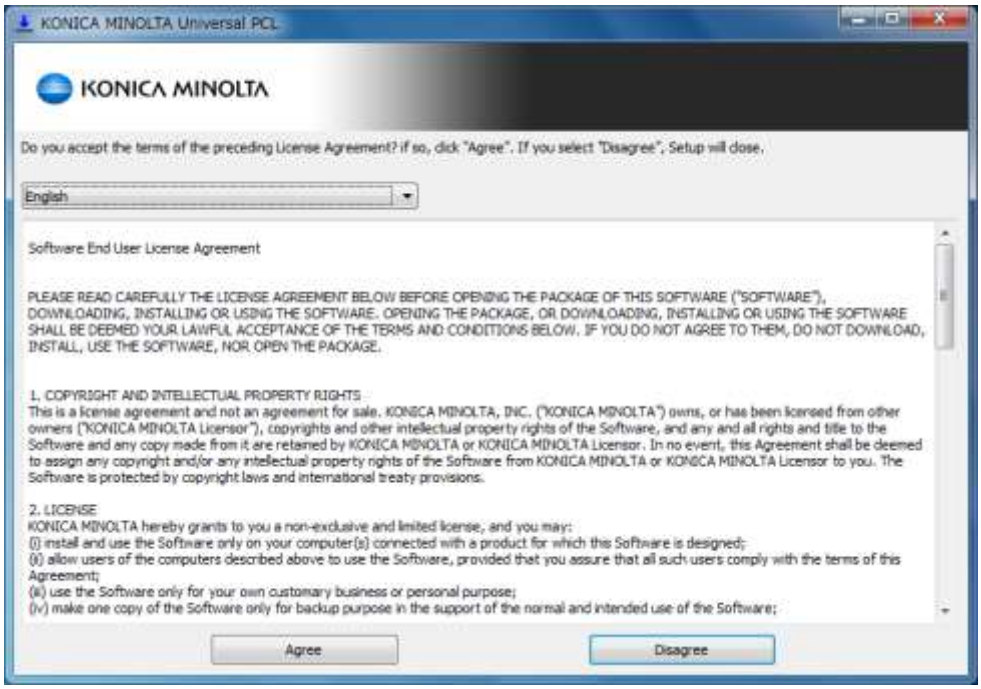

Figure 3-2-1 Software End User License Agreement Dialog Box

3. Click **Install (Network Search)**.

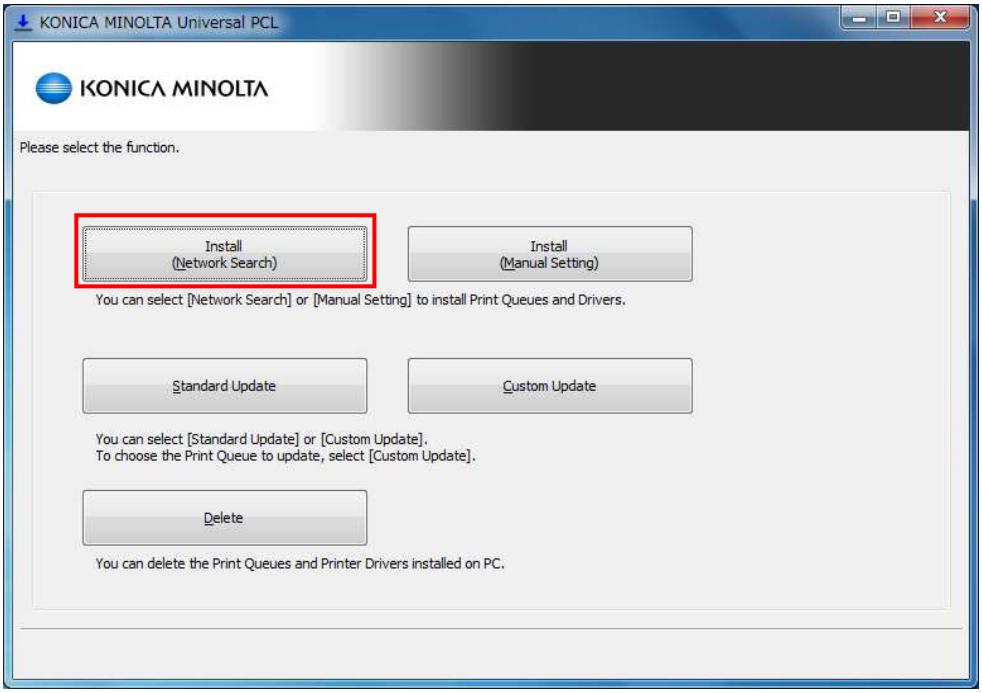

Figure 3-2-2 Function Selection Dialog Box - Install (Network Search)

4. Starting search devices on the network. Click **Cancel** if you want to stop searching.

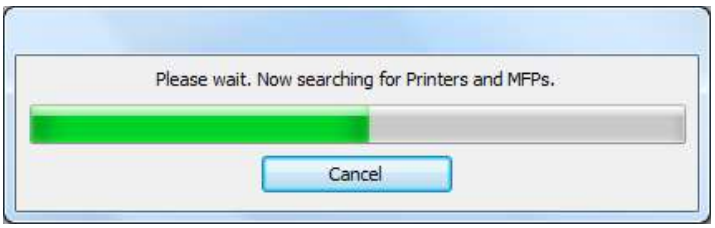

Figure 3-2-3 Searching Dialog Box

5. Devices found in the search will be displayed in a list.

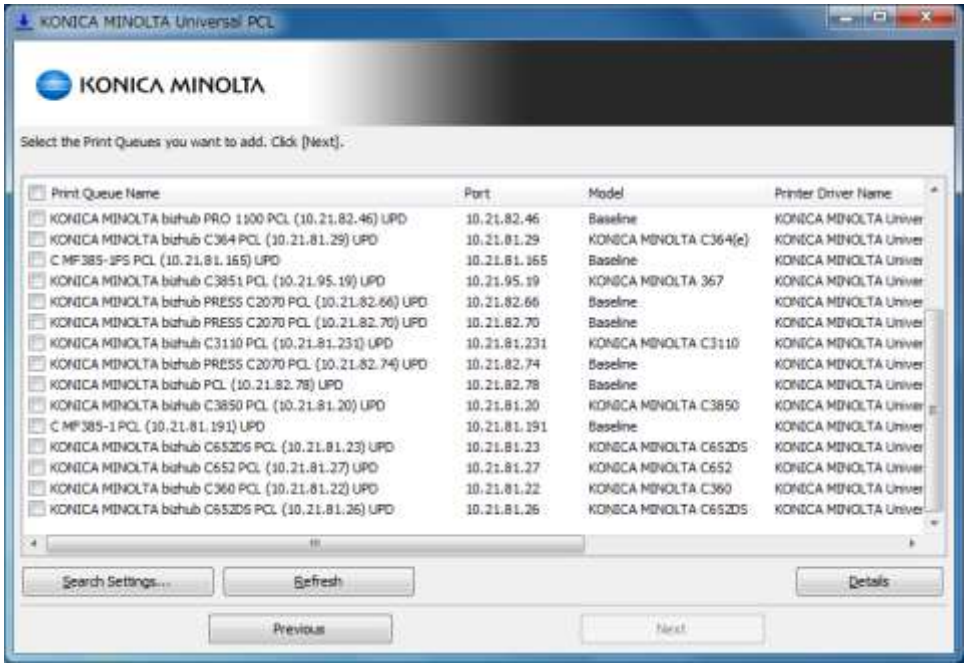

Figure 3-2-4 Device list Dialog Box

6. Settings such as Print Queue Name and Printer Driver Name will be displayed by clicking **Detail**. Check the device you want to install and click **Next**.

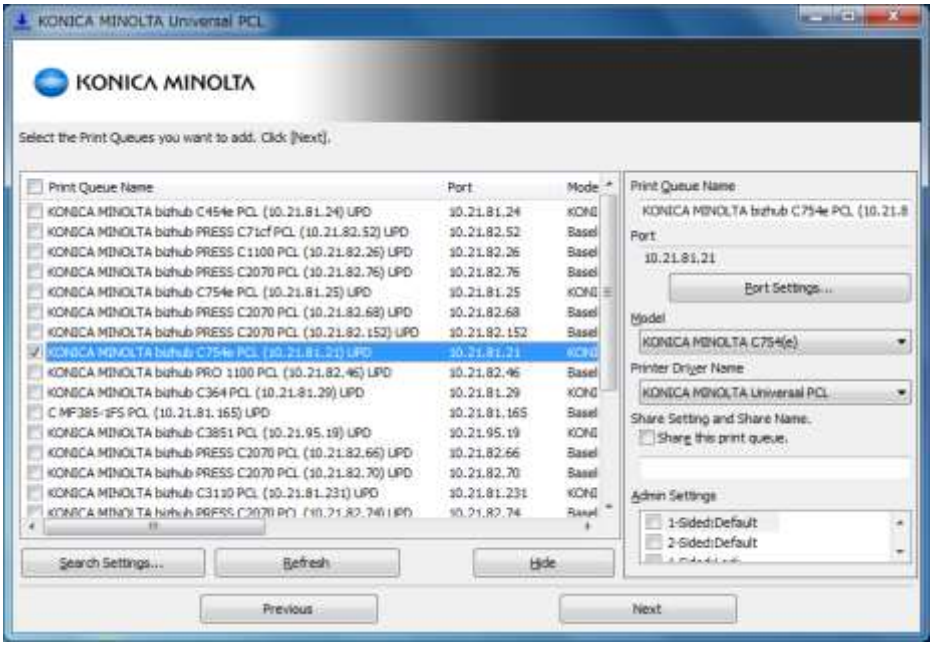

Figure 3-2-5 **Device list Dialog Box (Detail)**

7. Confirmation dialog will be displayed. Click **Install** to start installing.

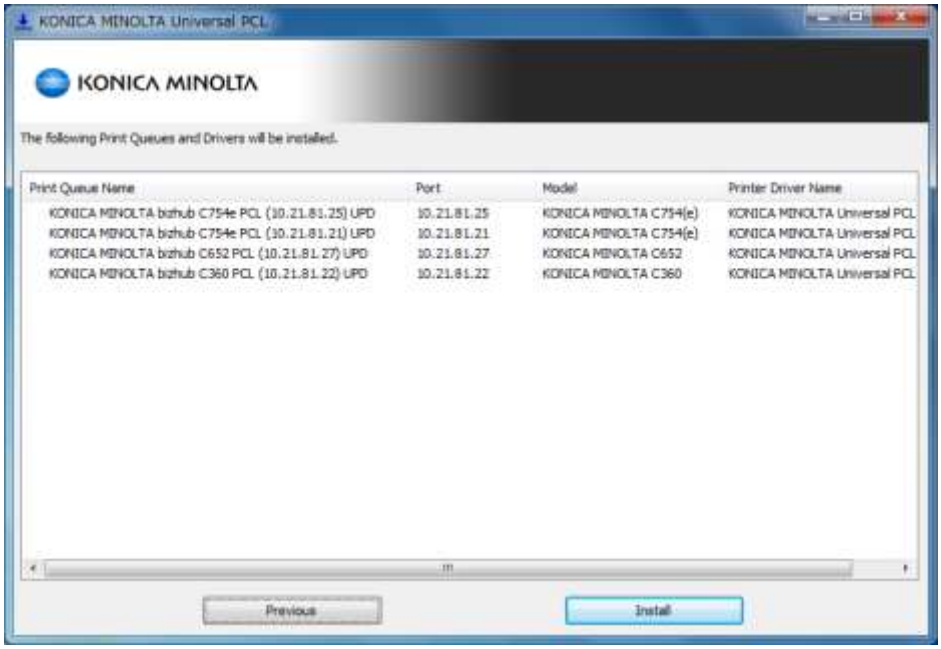

Figure 3-2-6 **Installation confirmation Dialog Box**

8. Progress of the installation will be displayed.

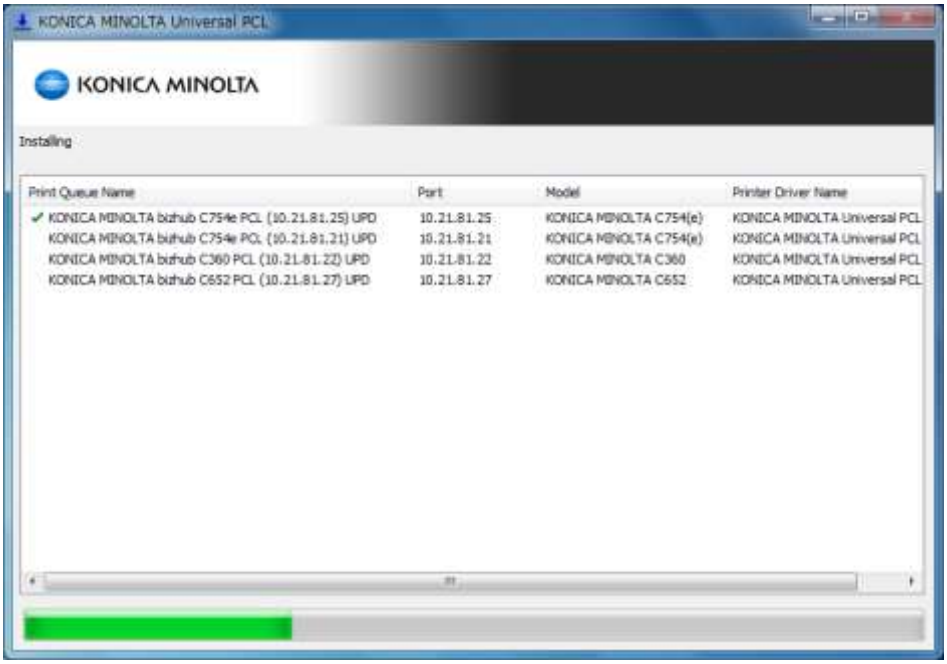

Figure 3-2-7 Installation process Dialog Box

9. The installation is complete.

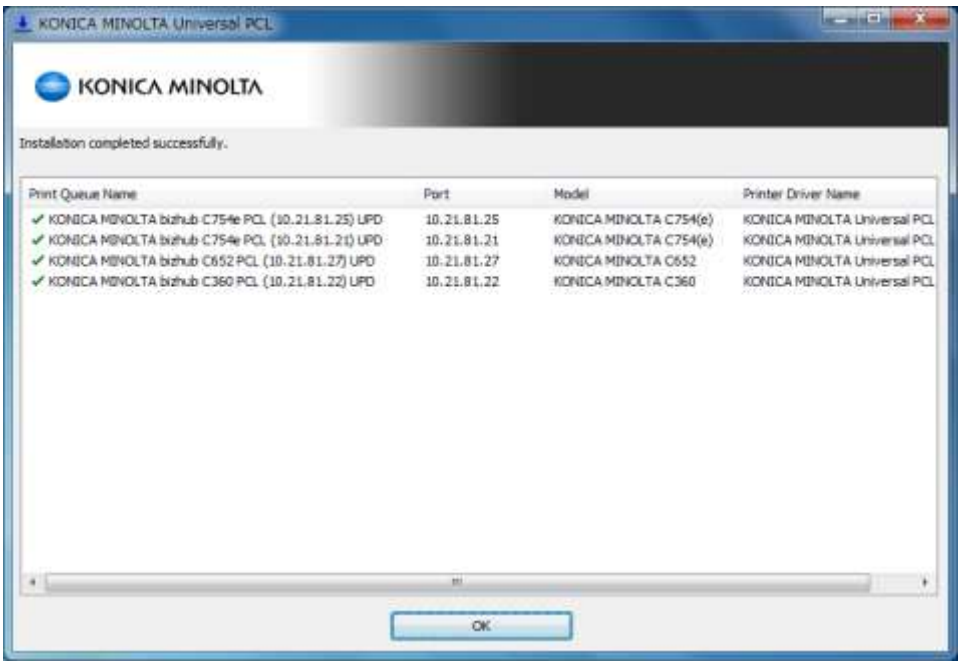

Figure 3-2-8 Installation complete Dialog Box

- **Method 2: Installing in "Network Search" by using the Included Installer**

1. Execute "UPDSetup.exe".
2. Check the Software End User License Agreement, and if there are no problems, click **Agree**.

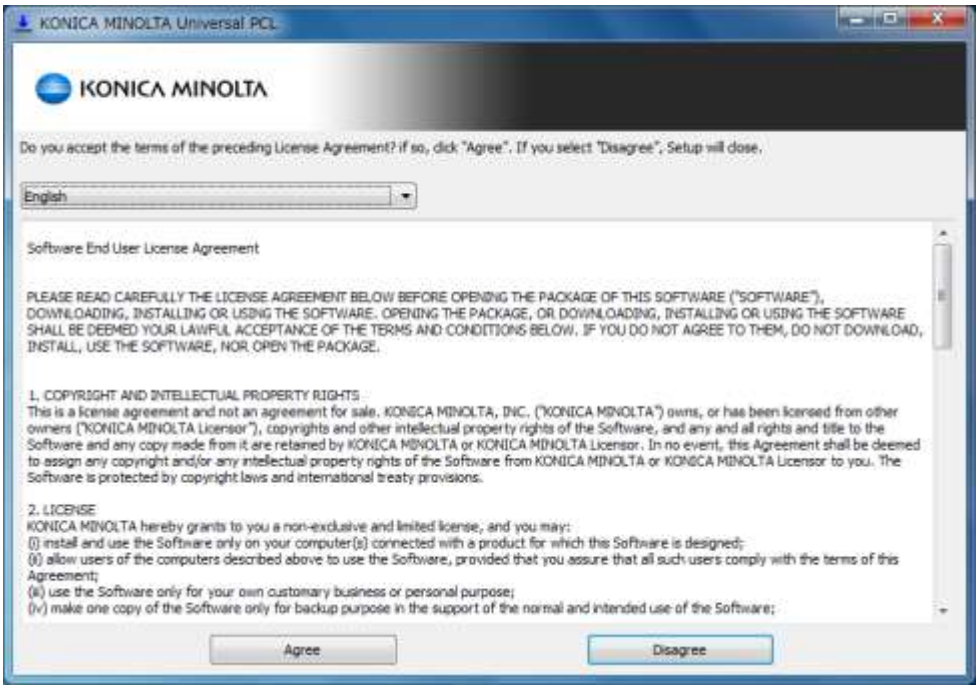

Figure 3-2-9 Software End User License Agreement Dialog Box

3. Click **Install (Manual Setting)**.

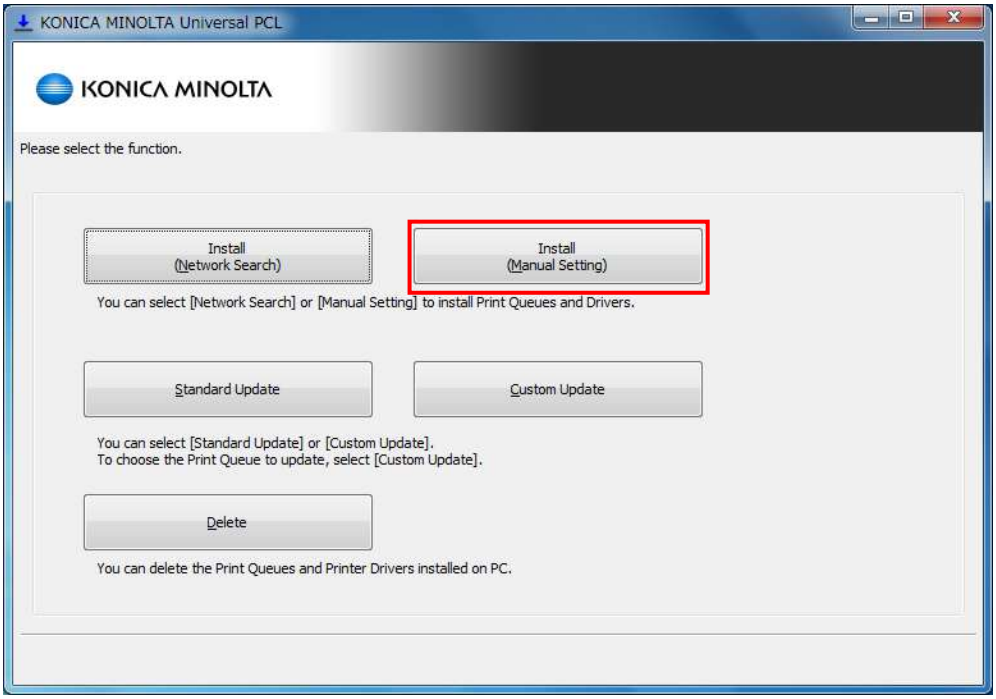

Figure 3-2-10 Function Selection Dialog Box - Install (Manual Setting)

4. Setting dialog box will be displayed. Click **Add to list** at the bottom left to add a row to the list.

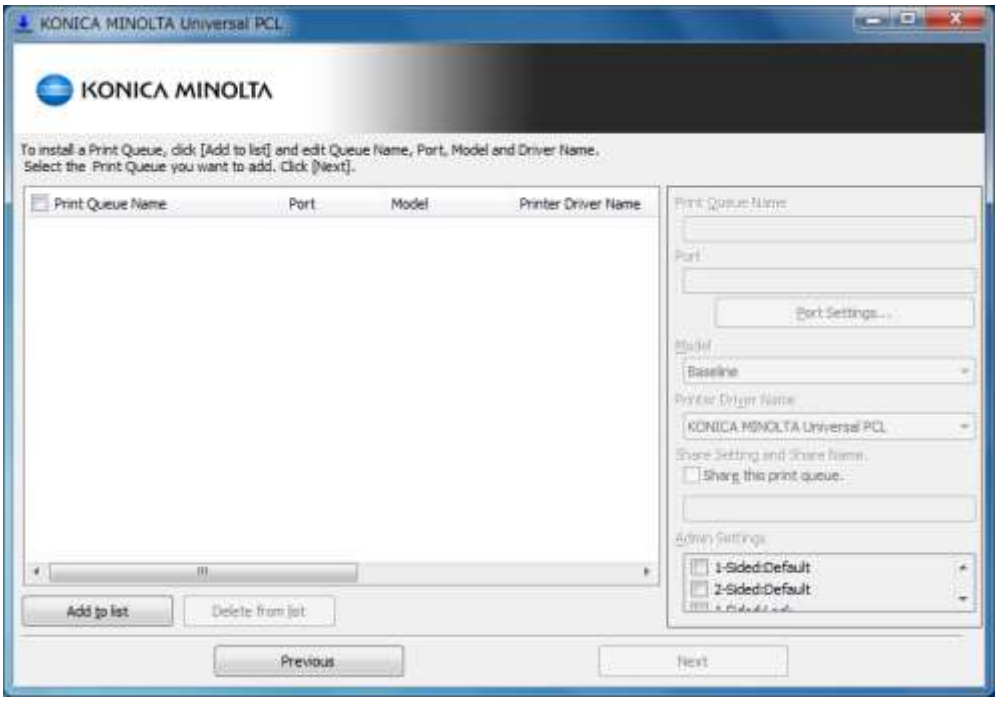

Figure 3-2-11 Install (Manual Setting) Dialog Box

5. Select the added row, and enter information such as Print Queue Name and Port on the right side of the setting dialog. Make sure that you have checked on the beginning of the row you want to add the print queue and click **Next**.

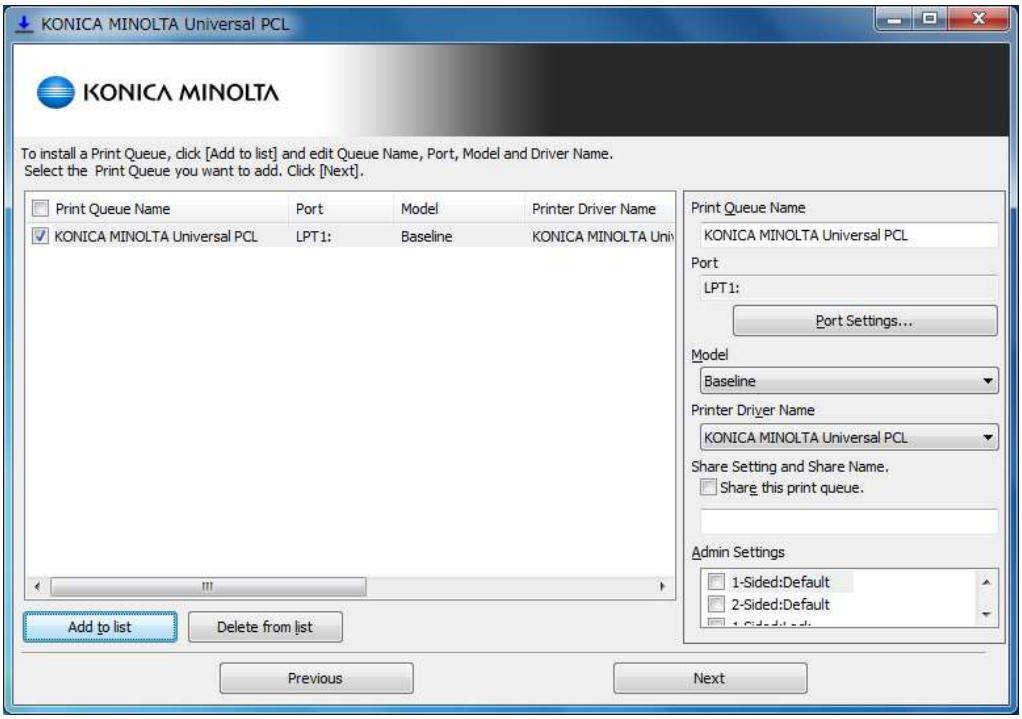

Figure 3-2-12 Install (Manual Setting) Dialog Box (continue)

6. The following procedure is same as procedure **7** and later of **Method 1: Installing in "Network Search" by using the Included Installer**.

- **Method 3: Manual Installation**

Install the driver using the Windows "Add Printer" wizard. You can access the "Add Printer" wizard from the Printers folder.

NOTE: When installing on Microsoft Cluster Service, install from the active node.

NOTE: In this document, the term "Printers" folder refers to the following folder.

- Windows XP / Server 2003: "Printers and Faxes" folder
- Windows Vista / Server 2008: "Printers" folder
- Windows 7 / Server 2008 R2: "Devices and Printers" folder

3.3 Uninstall

- **Method 1: If You Installed the Software Using the Included Installer**

If you installed UPD using the included installer, then the uninstaller is installed on your operating

system. Use that to uninstall the software.

1. Use one of the following methods to start the uninstaller.
   - Run [Start] menu -> [All Programs] -> [KONICA MINOLTA] -> [Universal PCL(PS / PCL5)] -> [Uninstall Printer Driver]
   - Select [Control Panel] -> [Programs and Features] and double click [KONICA MINOLTA Universal PCL(PS / PCL5)]

2. Print Queue and Printer Driver which can be deleted will be displayed. Check on what you want to delete and click **Next**.

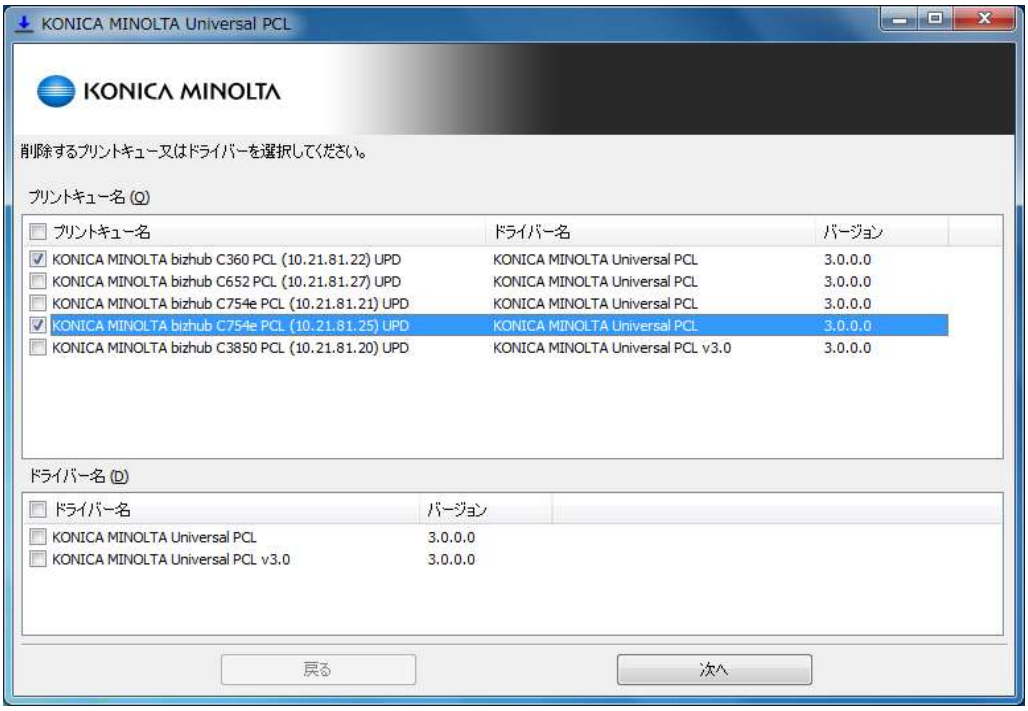

Figure 3-3-1 Uninstall target selection Dialog Box

3. If you selected to delete Printer Driver, all Print Queues that use the Printer Driver will be deleted.

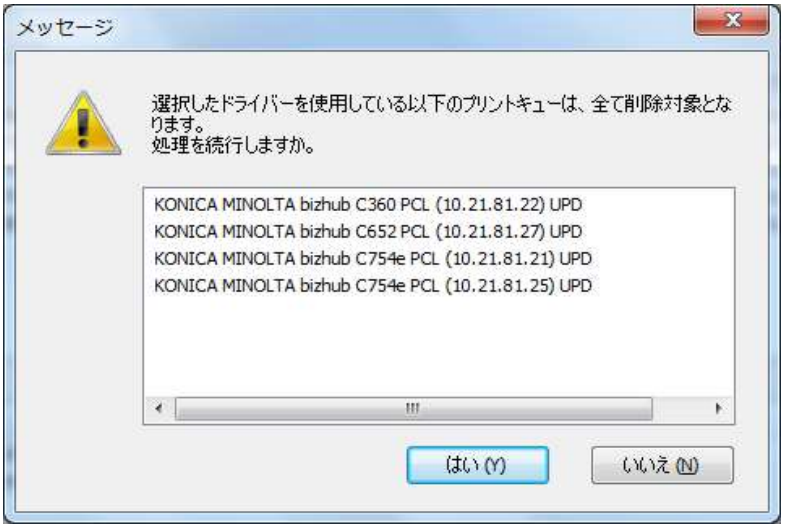

Figure 3-3-2 Uninstall impact notification Dialog Box

4. The confirmation dialog of uninstallation will be displayed.

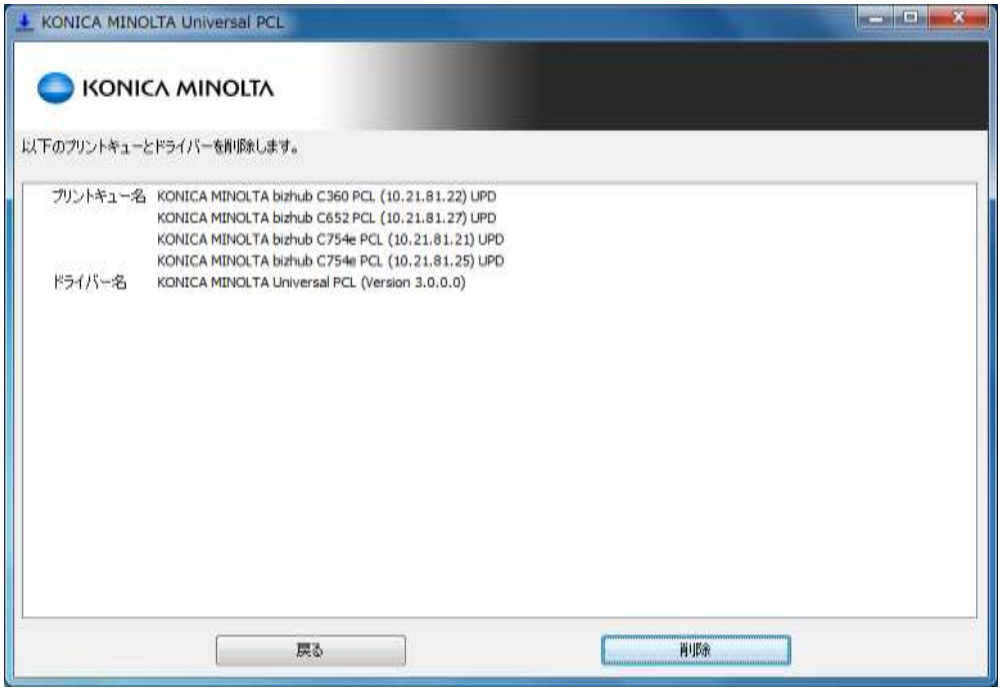

Figure 3-3-3 Uninstallation Details Confirmation Dialog Box

5. Progress of the Uninstallation will be displayed.

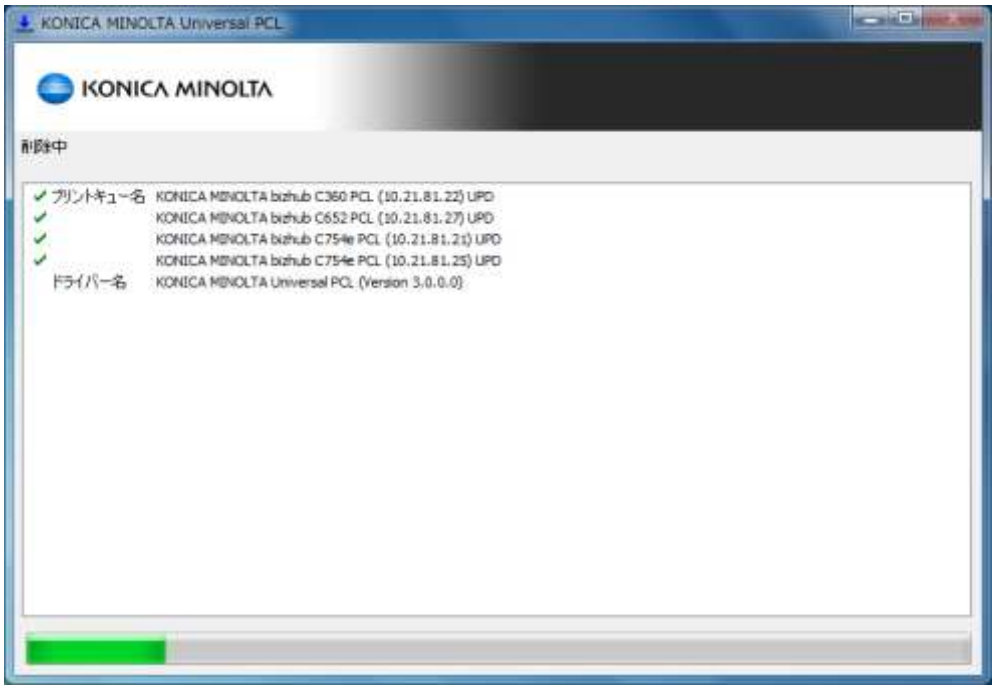

Figure 3-3-4 Uninstalling Dialog Box

6. The uninstallation is complete.

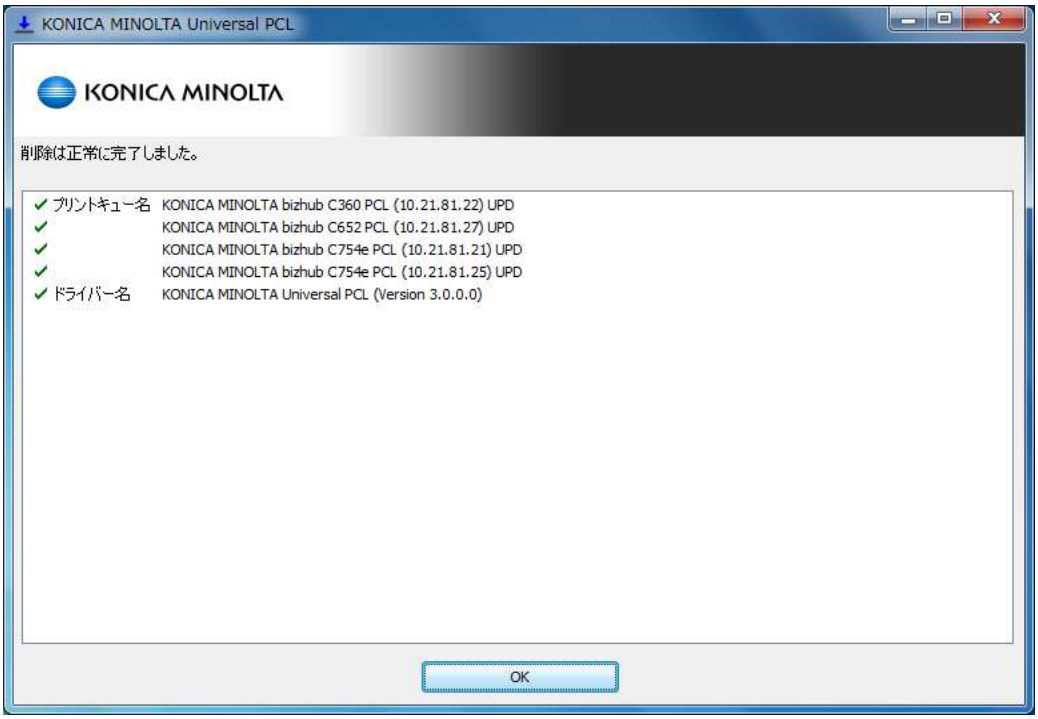

Figure 3-3-5 Uninstallation Complete Dialog Box

- **Method 2: Manual Uninstallation**

If you installed UPD manually, you must uninstall it manually by following the procedure below.

1. From the Printers folder, delete the "KONICA MINOLTA Universal PCL (PS / PCL5)" printer icon.
2. From the "Print Server Properties" dialog box, on the "Drivers" tab, delete "KONICA MINOLTA Universal PCL (PS / PCL5)".
3. From the **Start** menu, specify "regedit.exe". The registry editor starts.
4. In the registry editor, delete the following keys, then close the registry editor.
   - PCL
     <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL>
   - PS
     <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PS >
   - PCL5
     <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL5>
5. Delete the following folders if they exist.
   - 32bit OS(Windows XP(x86)/Server 2003(x86)/Vista(x86)/Server 2008(x86)/7(x86))
     <%SystemRoot%\system32\spool\drivers\w32x86\konica_minoltauniverfe32>
   - 64bit OS(Windows XP(x64)/Server 2003(x64)/Vista(x64)/Server 2008(x64)/7(x64)
     <%SystemRoot%\system32\spool\drivers\x64\konica_minoltauniverfe33>

- **Uninstalling Using Point and Print**

When using Point and Print, the driver needs to be removed also from the client side. Follow the steps below to remove the driver.

1. On the client PC, open the Printers folder.
2. Delete all shared UPD printer icons.
3. From the "Print Server Properties" dialog box, on the "Drivers" tab, delete "KONICA MINOLTA Universal PCL (PS / PCL5)".
4. In the registry editor, delete the following keys, then close the registry editor.
   - PCL
     <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL>

- PS
  <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PS>
- PCL5
  <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL5>

3.4 Update

NOTE: When update from UPD Ver.2, only information of the models that had be selected and information of Print Queue (Print Queue Name, Port, Location, Comment, Sharing Setting, Sharing Name) can be taken over.

- **Method 1: Updating in "Standard Update" by using the Included Installer**

1. Execute "UPDSetup.exe" on the PC on which the old Universal Print Driver is installed.
2. Check the Software End User License Agreement, and if there are no problems, click **Agree**.

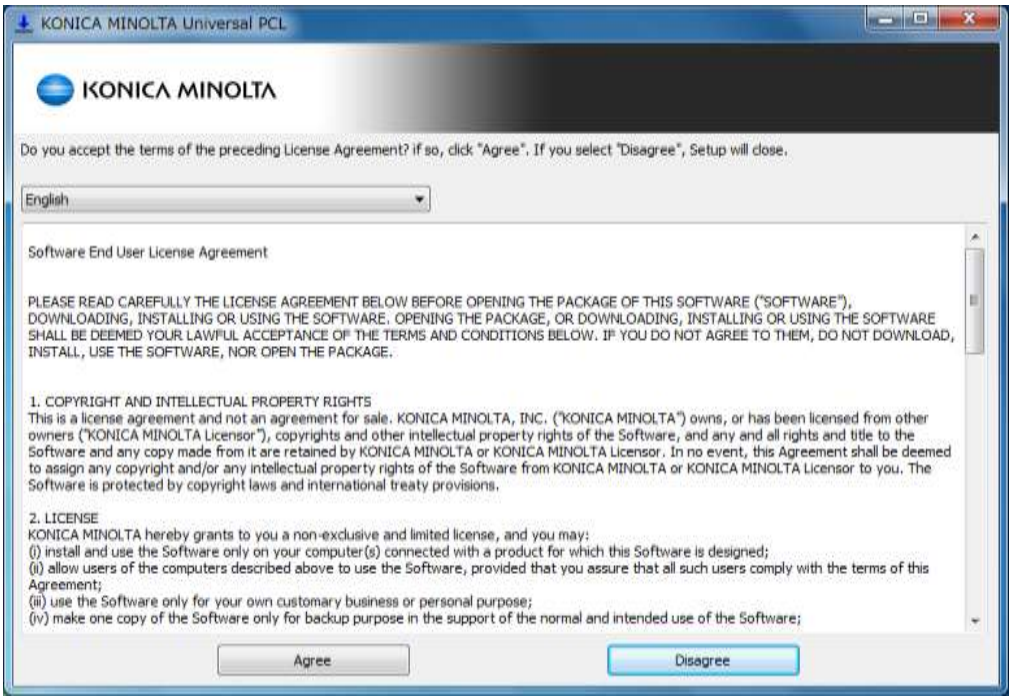

Figure 3-4-1 Software End User License Agreement Dialog Box

3. Click **Standard Update**.

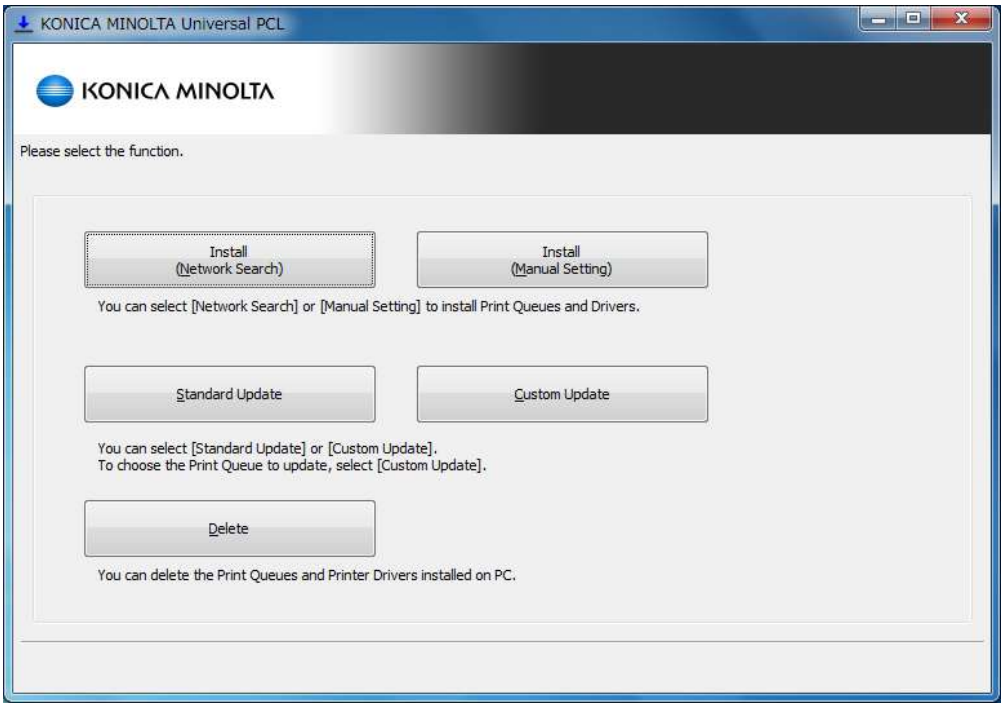

Figure 3-4-2 Function Selection Dialog Box - Standard Update

4. Print Queues that are using the Printer Driver of update target will be displayed. All displayed Print Queue will be updated. Click **Update**.

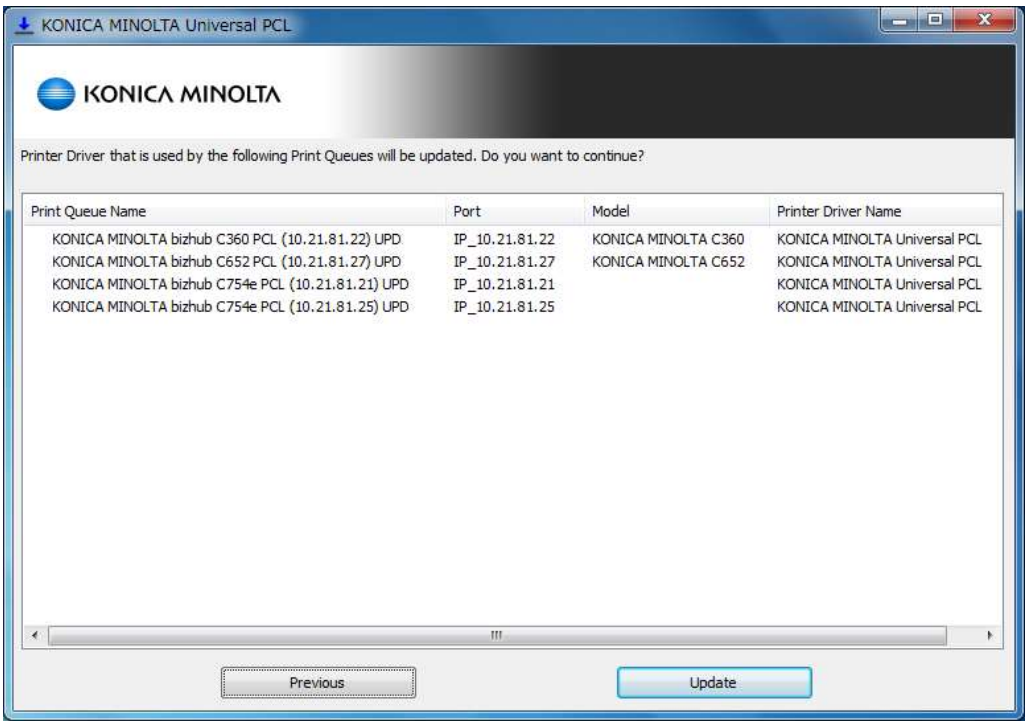

Figure 3-4-3 Update Target Confirmation Dialog Box

5. Staring update.

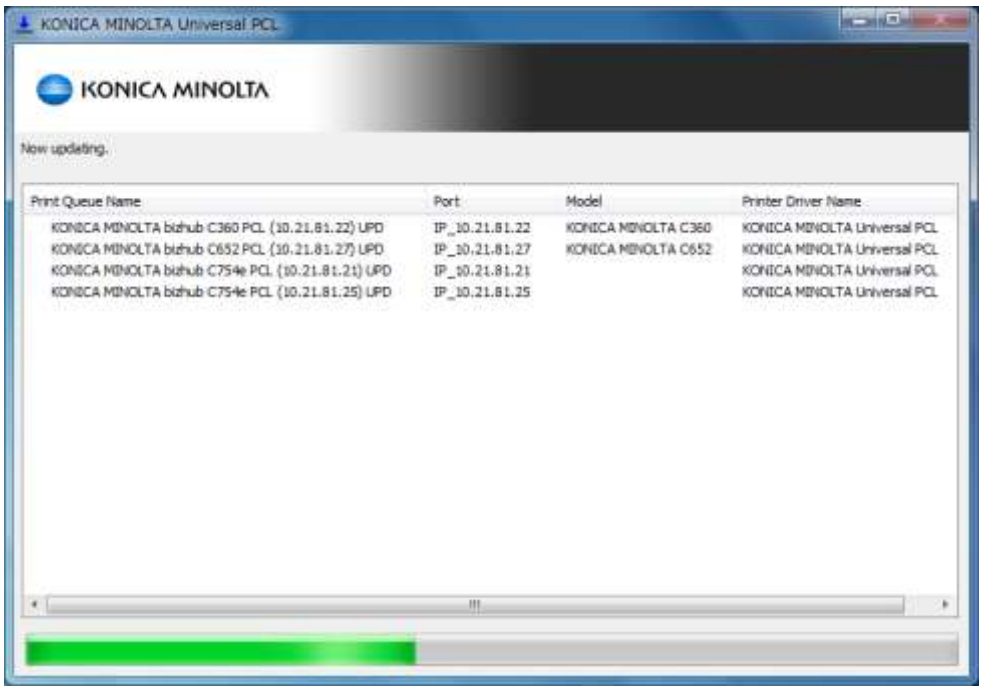

Figure 3-4-4 Updating process Dialog Box

6. The update is complete.

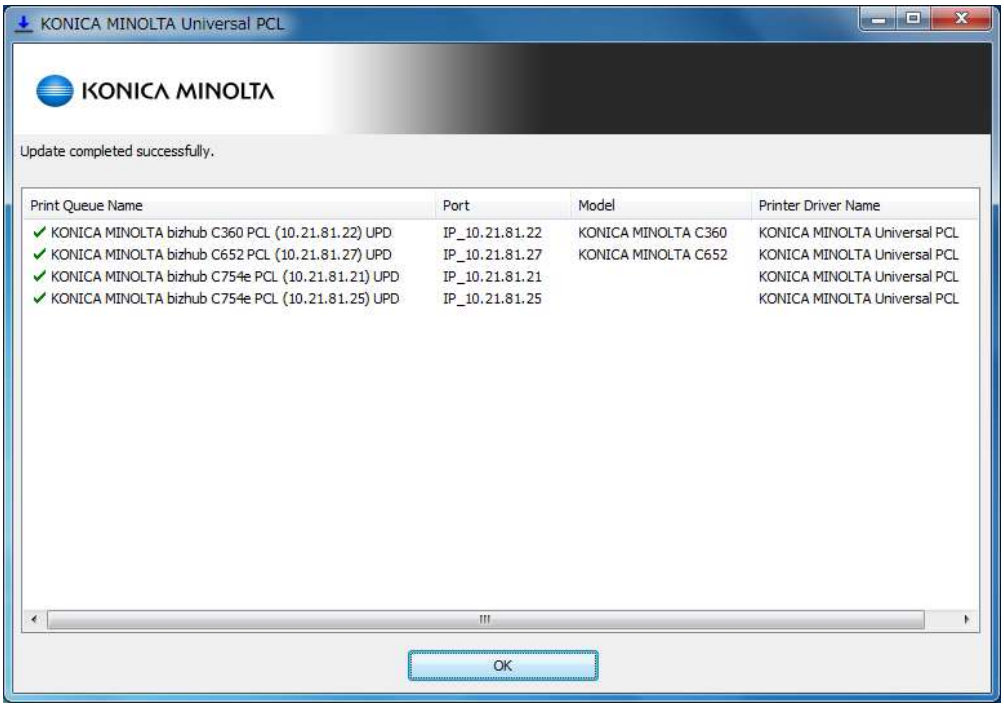

Figure 3-4-5 Update Complete Dialog Box

- **Method 2: Updating in "Custom Update" by using the Included Installer**

1. Execute "UPDSetup.exe" on the PC on which the old Universal Print Driver is installed.
2. Check the Software End User License Agreement, and if there are no problems, click **Agree**.

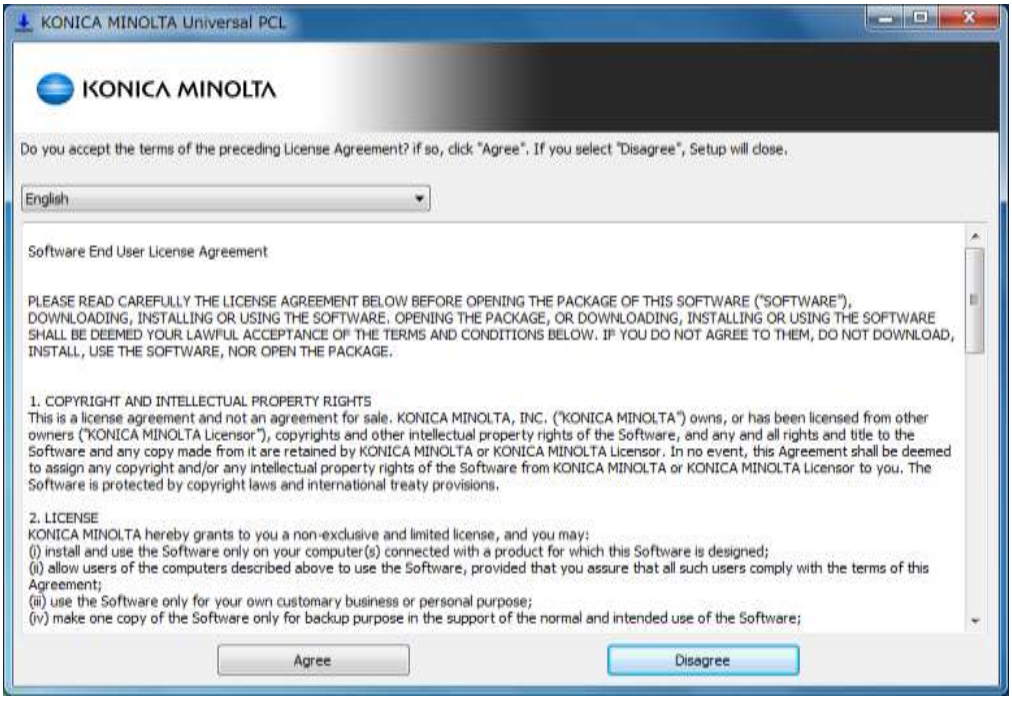

Figure 3-4-6 Software End User License Agreement Dialog Box

3. Click **Custom Update**.

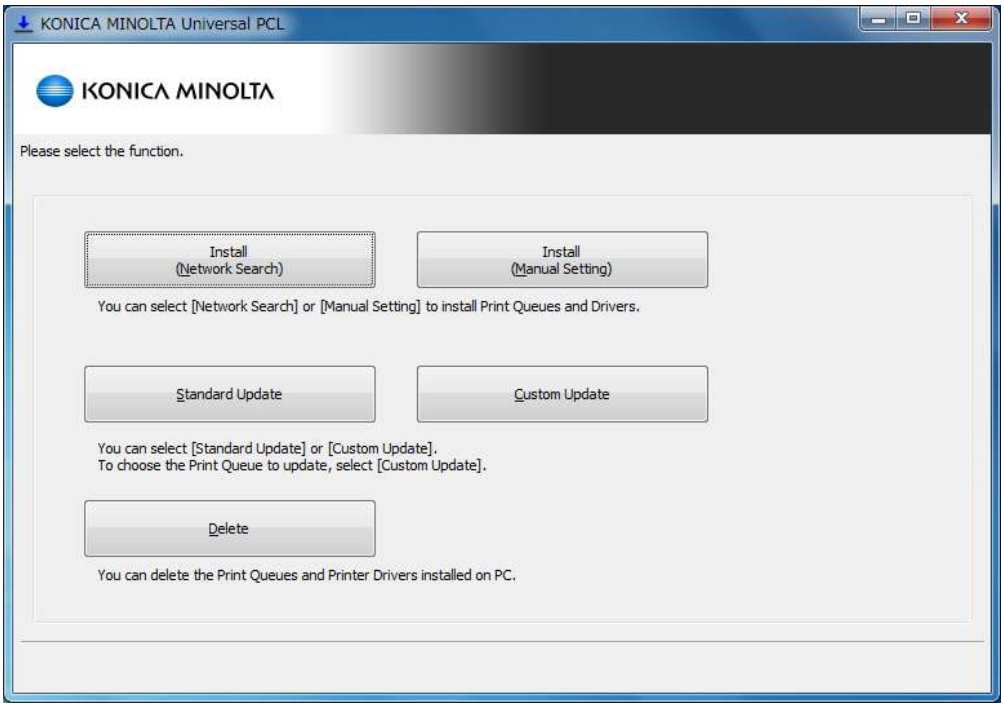

Figure 3-4-7 Function Selection Dialog Box – Custom Update

4. Print Queues that are using the Printer Driver of update target will be displayed. Check the Print Queue you want to update and click **Next**. You can also select the driver name you want to update to.

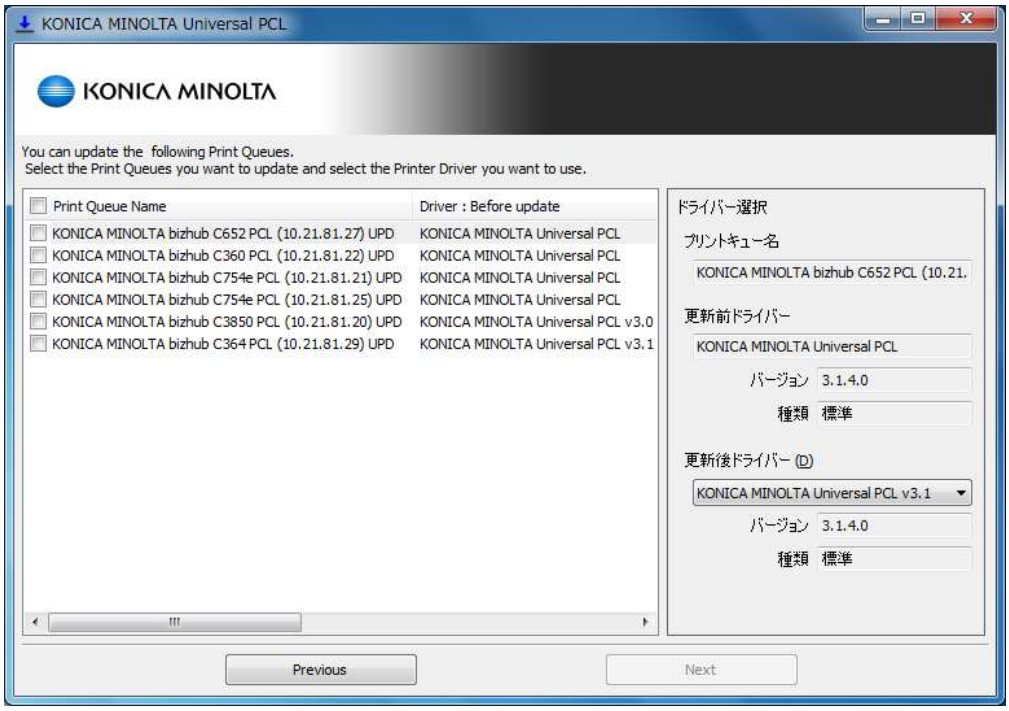

Figure 3-4-8 Update Target Selection Dialog Box

5. If you selected to update the standard Printer Driver, all Print Queues that use the Printer Driver will be update.

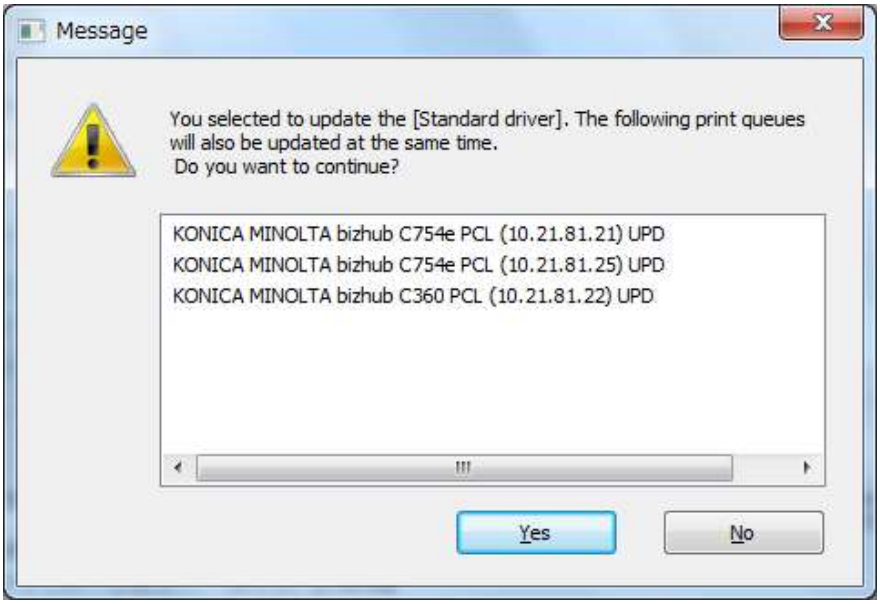

Figure 3-4-9 Update impact notification Dialog Box

6. The confirmation dialog of update will be displayed. Click **Update**.

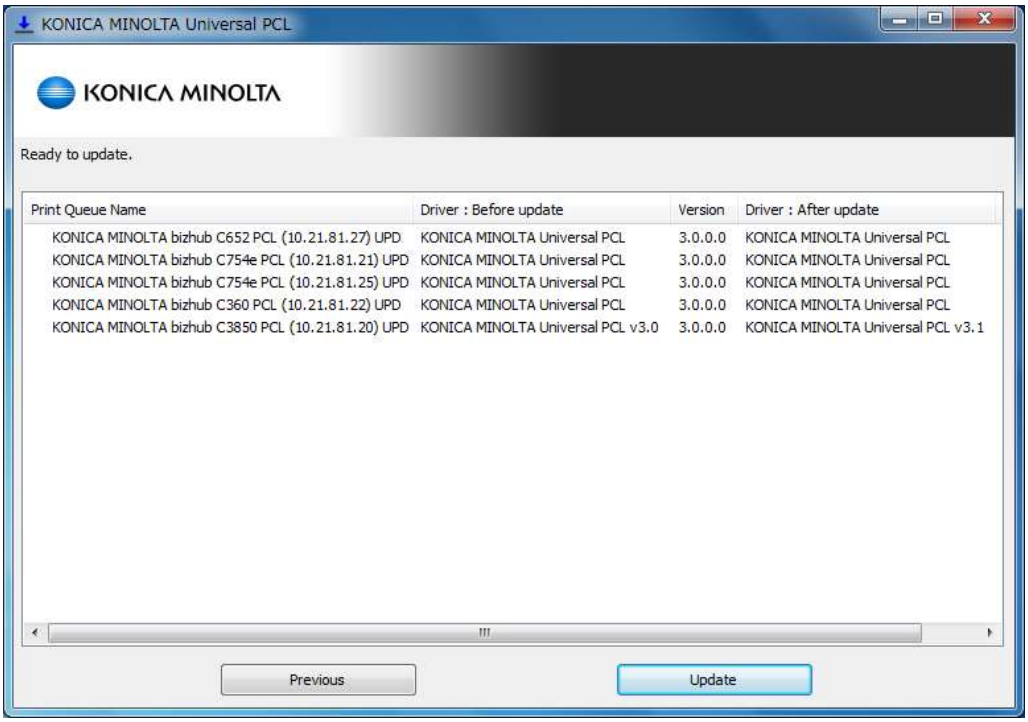

Figure 3-4-10 Update Confirmation Dialog Box

7. Starting update.

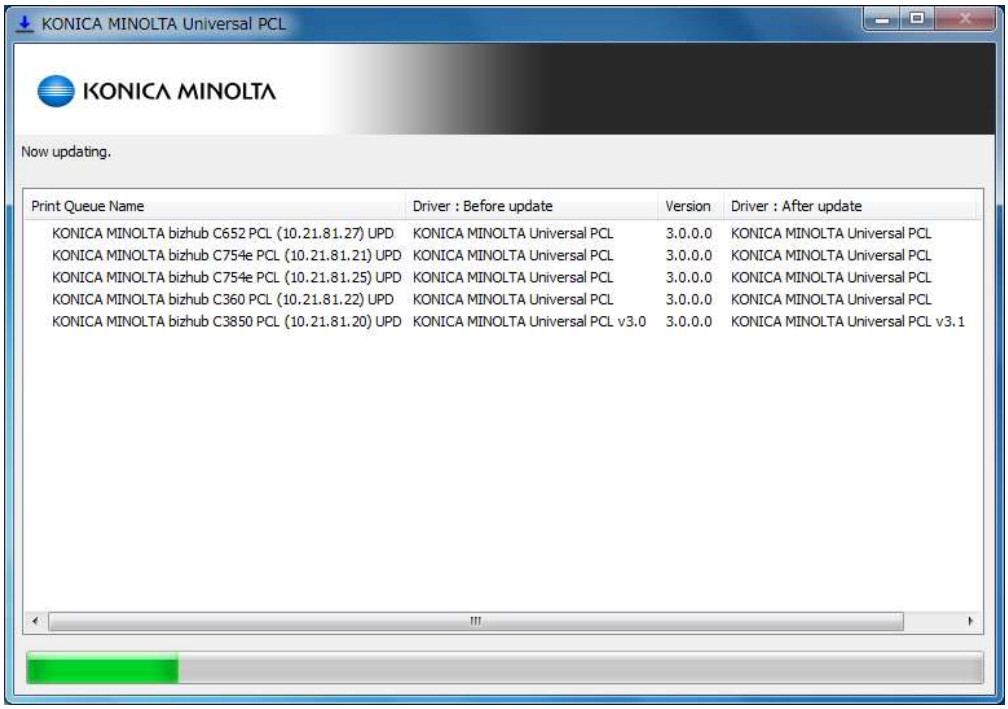

Figure 3-4-11 Updating process Dialog Box

8. The update is complete.

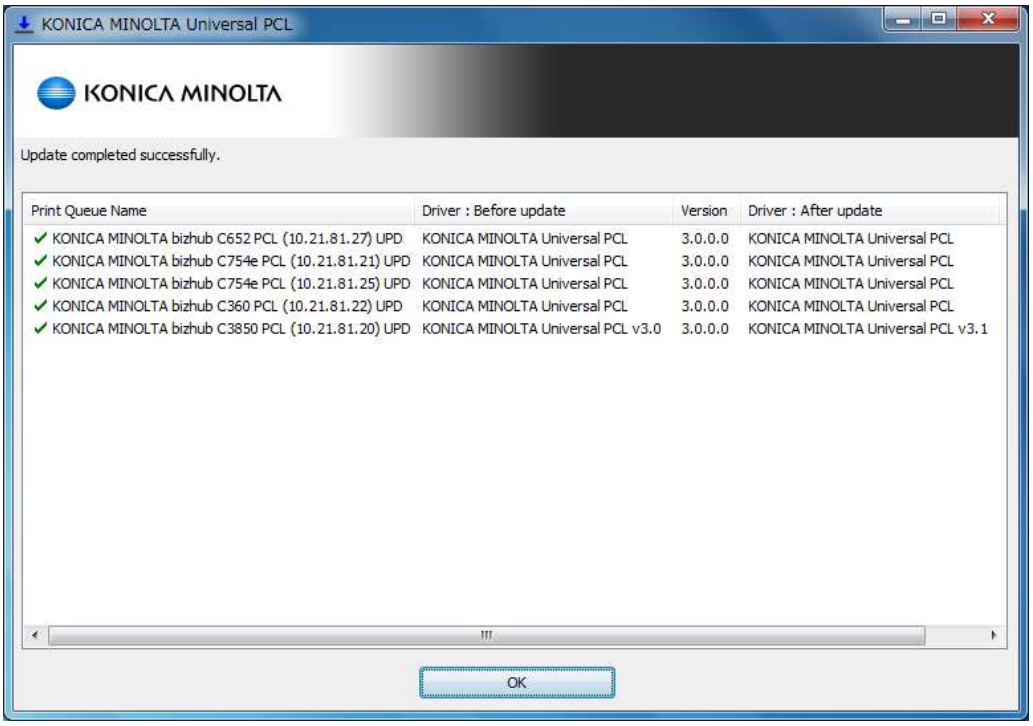

Figure 3-4-12 Update Complete Dialog Box

3.5 Supporting New Models

You can use UPD to print with any device that was released for sale after the release of your UPD version, by using the following model included in UPD.

Types of common models

- KONICA MINOLTA A4 common
- KONICA MINOLTA A3 commonr
- baseline

Please note, however, that the less functionality will be available than the printer driver that is included on the CD-ROM.

4. Use Universal Print Drivers

4.1 Model changing method

In KONICA MINOLTA Universal Print Driver, you can change the model to be used from the driver UI. Only users who have administrator privileges can change the model.

Procedure of model changing

1. Open **Printer Property** view.
2. Select **Configure** tab, click **Select Model**.

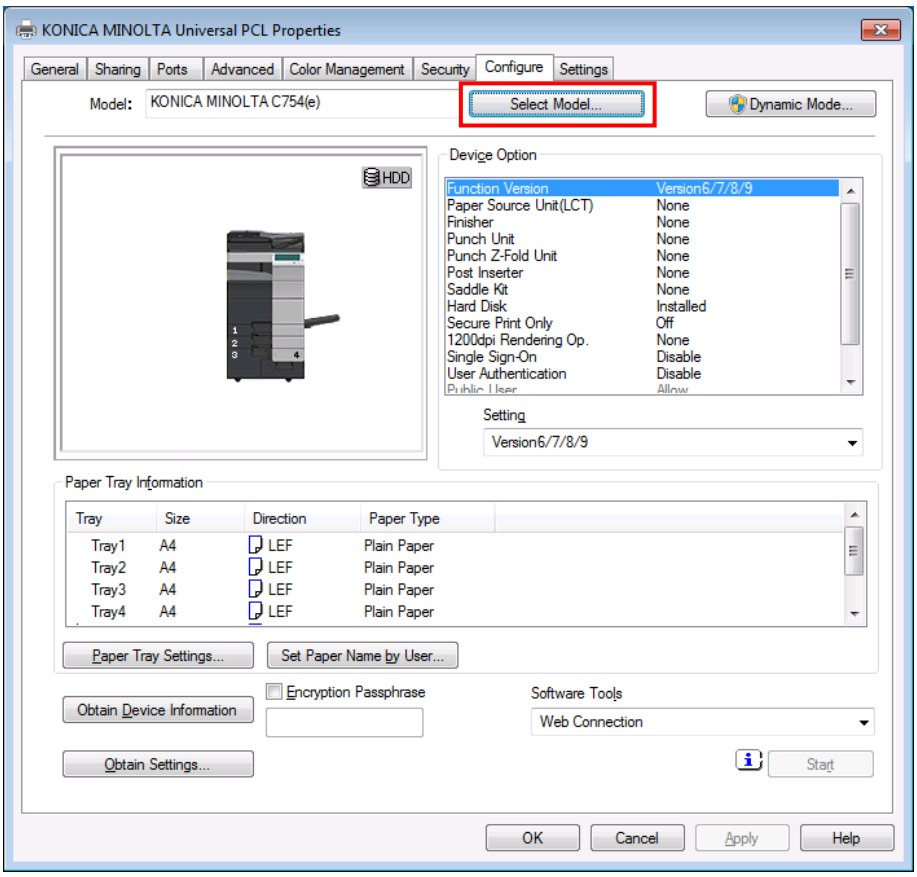

Figure 4-1-1 Configure tab of Printer Property

3. Model selection dialog will be displayed. Select model and click **OK**. If you click **Auto**, it will communicate with the device specified in the port and determine the model automatically.

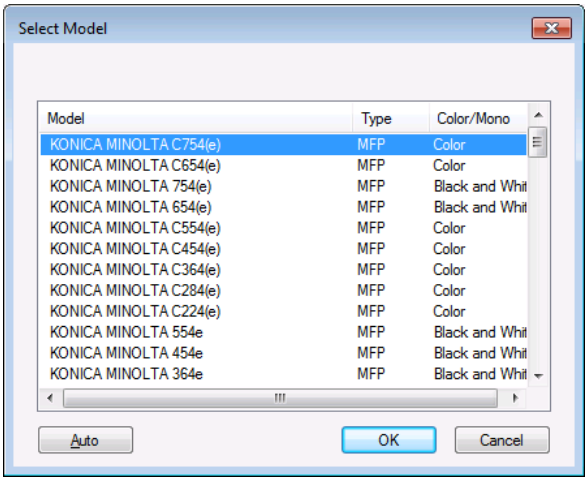

Figure 4-1-2 Model selection Dialog Box

4. Confirmation dialog will be displayed. Click **Yes**.

Figure 4-1-3 Confirmation Dialog Box

4.2 Using Device Selector

This section describes how to change the printing device using Device Selector. In Device Selector, you can select devices using one of three methods: Manual Connection, History and Network Search. Note that Device Selecoter is not available to some users, such as restricted user accounts. (See the FAQ below for details.)

Manual Connection

Use Manual Connection to select the printer device manually. The procedure is as follows.

1. From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL (PS / PCL5)" icon, and select Printer Properties.
2. The Printer Properties of KONICA MINOLTA Universal Print Driver opens.
3. Move to Configure tab and push “Dynamic Mode...” button.
4. Select "Manual Connection" from the pull-down list at the top of the Device Selector dialog box.

Note: If the Device Selector is open, the Manual Connection view appears by default.

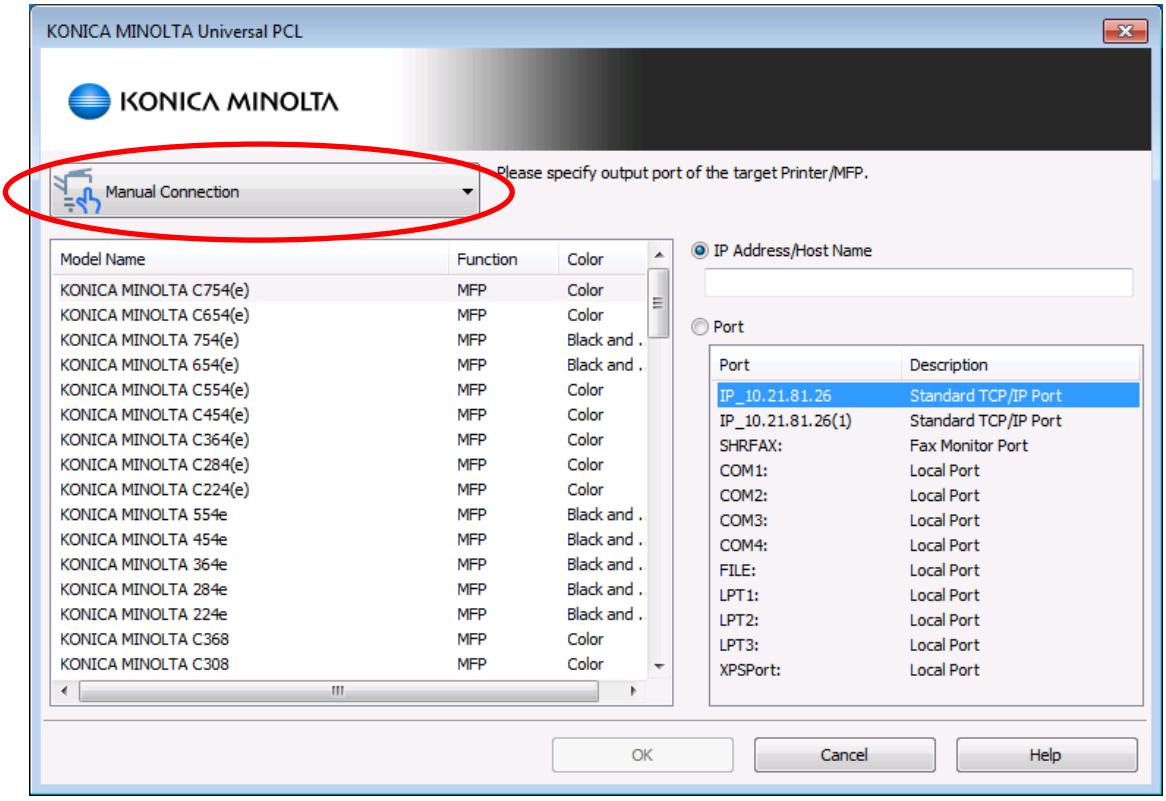

Figure 4-2-1 Example of Manual Connection View

5. Select the model to use from the list on the left of the dialog box.
6. Specify the connection in the right-hand side of the dialog box. There are two ways to specify the connection, as shown below.
   - IP Address/Host Name

     You can specify the connection by entering the IPv4 address, IPv6 address, or host name directly. Fully Qualified Domain Names (FQDN) cannot be used.

     NOTE: Up to 48 characters can be entered for the IP Address/Host Name. You cannot use commas (,).

   - Port

     Specify the output device by the port registered with the operating system.
7. After you have specified the model and connection, click **OK**.

History

You can connect to a device you have connected based on your history information. The procedure is as follows.

1. From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL

(PS / PCL5)" icon, and select Printer Properties.

2. The Printer Properties of KONICA MINOLTA Universal Printer Driver opens.
3. Move to Configure tab and push “Dynamic Mode...” button.
4. Select "History" from the pull-down list at the top of the Device Selector dialog box.

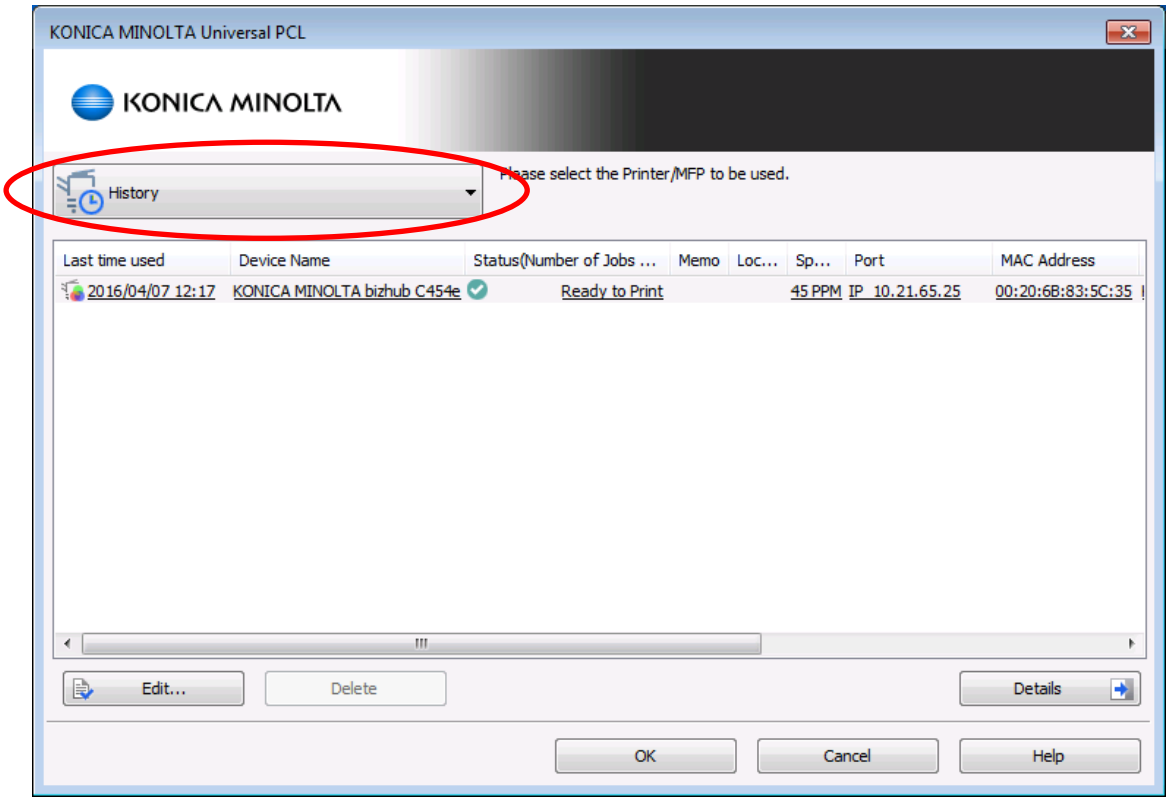

Figure 4-2-2 Example of History View

5. A list of the devices you have connected to appear in the dialog box.

   The following information is displayed for each device.

Column Name	Description
Last time used	This shows the printer-type icon and the last time the device was used. See **Table 1-2-1 Printer Type Icons** for information about the printer-type icons.
Device Name	This shows the name of the device.
Status(Number of Jobs Waiting)	This shows the device status and job-queue congestion as an icon and text. The display of the job queue status is only supported for KONICA MINOLTA devices. See **Status Icon Specification**, below, for details.
Memo	This shows the text you entered in **Figure 4-2-2 History Edit Dialog Box**.
Location	This shows the location where the device is installed. The location must be entered on the device beforehand.
Speed	This shows the maximum print speed of the device in PPM.
Port	This shows the port of the output device.
MAC Address	This shows the MAC address of the device.
Model Name	This shows the model name of the device.
Color/Black and White	This shows whether the device is a color or B&W printer.
PS3 (Only for PS version) PCL6 (Only for PCL6 version) PCL5(Only for PCL5 version)	This shows whether the device supports target PDL. Devices that do not support target PDL cannot be used.

Table 4-2-1 Details about Devices in the History View

You can use the Edit and Delete functions to edit the list of devices on the History view.

- Edit function

You can use the Edit dialog box below to edit the device's Memo column. You can start the Edit dialog box using one of the two methods shown below.

・Select the device, and click **Edit** at the bottom of the dialog box.

・Right click on the device to edit, and select **Edit** from the menu.

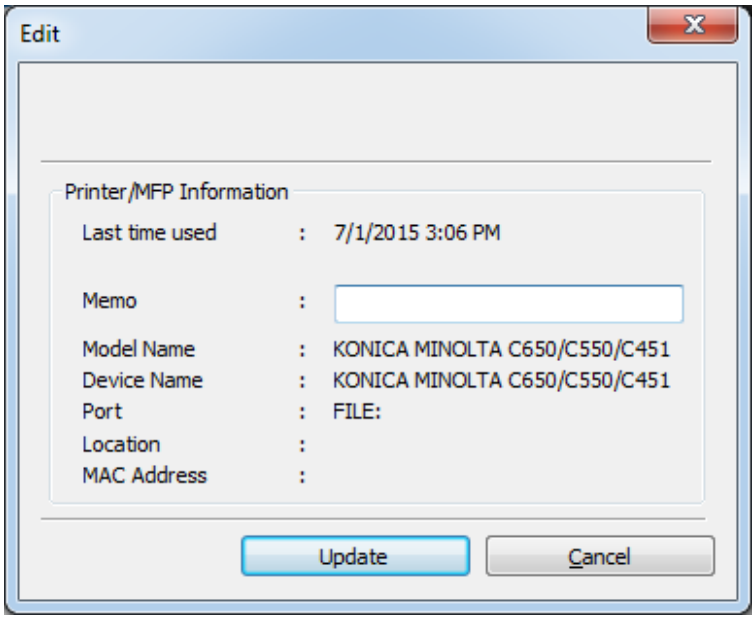

Figure 4-2-3 Example of History Edit Dialog Box

● Delete function

You can delete devices from the list on the History dialog box by the two methods shown below.

・Select the device, and click **Delete** at the bottom of the dialog box.

・Right click on the device to delete, and select **Delete** from the context menu.

When you perform the method above, the confirmation dialog box shown below asking you to confirm the deletion. Click **Yes** to delete the device from the History view.

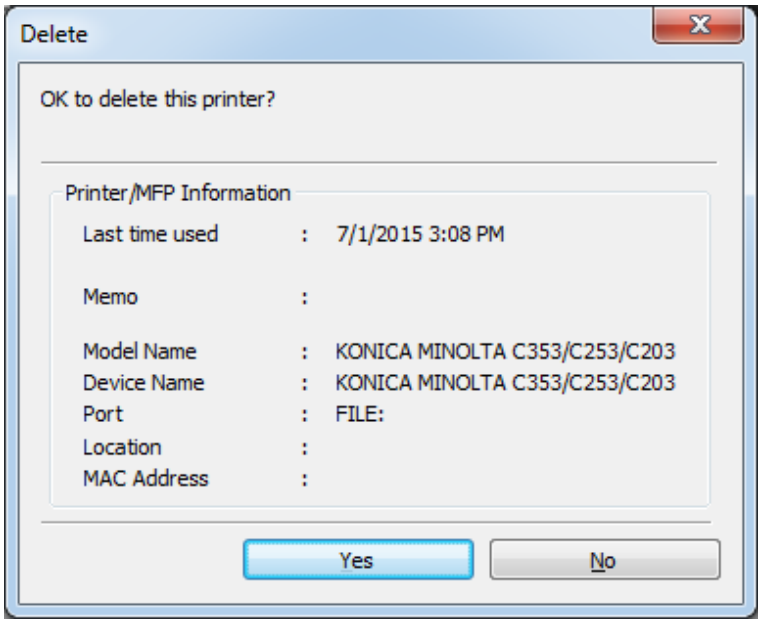

Figure 4-2-4 Example of History Delete Dialog Box

6. Select a device to output from the list of devices, and click **OK**.

Network Search

Use Network Search to search for devices on the network, and select one of the matching devices that are found. The procedure for using Network Search is as follows.

1. From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL (PS / PCL5)" icon, and select Printer Properties.
2. The Printer Properties of KONICA MINOLTA Universal Printer Driver opens.
3. Move to Configure tab and push “Dynamic Mode...” button.
4. Select "Network Search" from the pull-down list at the top of the Device Selector dialog box.

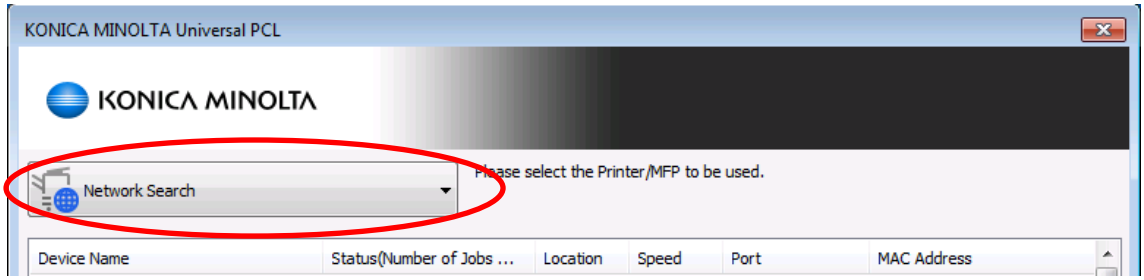

Figure 4-2-5 Network Search Selection

5. The Device Selector starts to search the network for devices.
   Click **Cancel** at the bottom of the dialog box below to cancel the search.

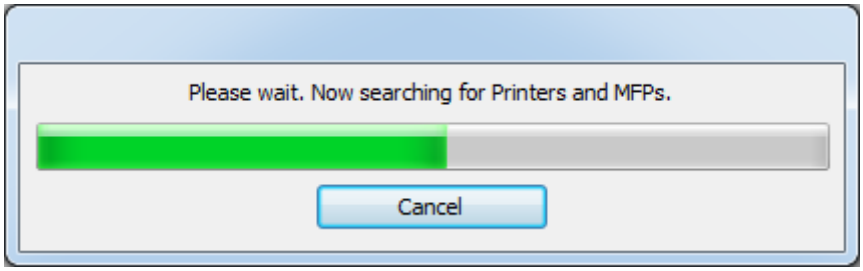

Figure 4-2-6 Searching Dialog Box

NOTE:

- Click **Refresh** at the bottom of the Device Selector dialog box to perform the search again.
- Click **Search Settings** at the bottom of the Device Selector dialog box to open an advanced search settings dialog box. See **Search Settings**, below, for details.

6. A list of detected devices appears.

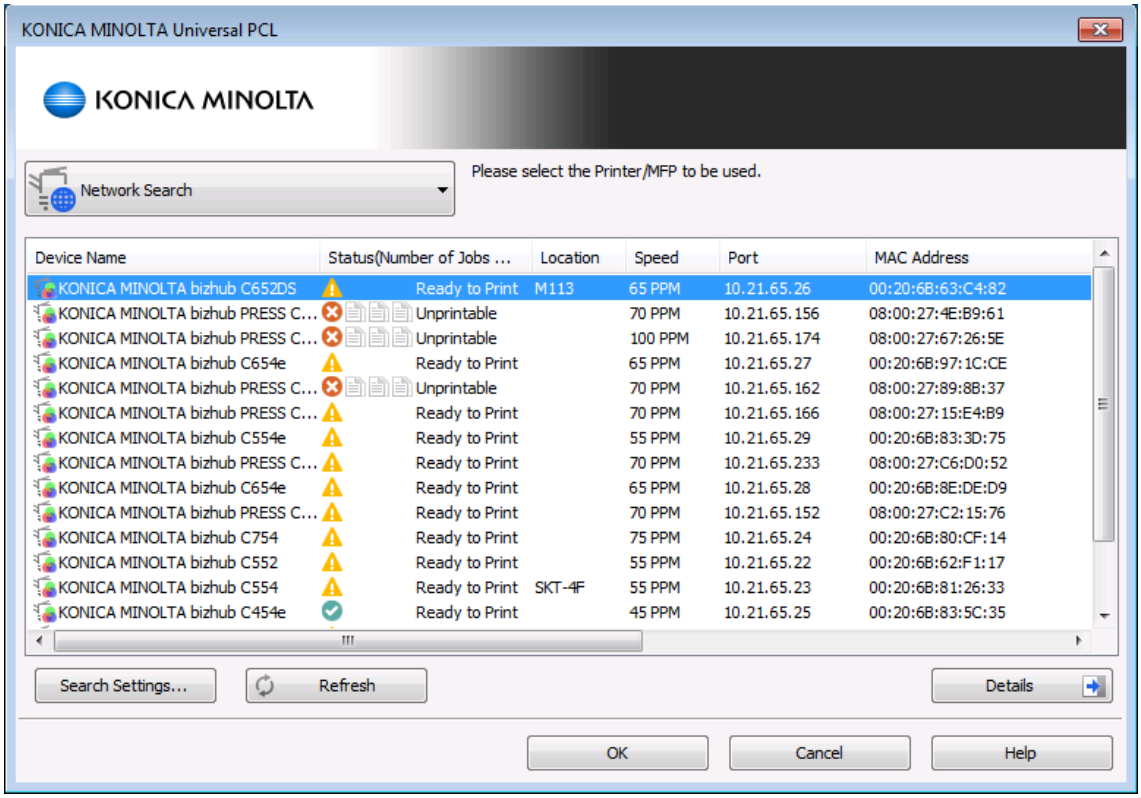

Figure 4-2-7 Network Search View

The following information is displayed for each device.

Column Name	Description
Device Name	This shows the printer-type icon and the name of the device. See **Table 2-4-1 Printer Type Icons** for information about the printer-type icons.
Status(Number of Jobs Waiting)	This shows the device status as an icon and text. See **Status Icon Specification**, below, for details.
Location	This shows the location where the device is installed. The location must be entered on the device beforehand.
Speed	This shows the maximum print speed of the device in PPM.
Port	This shows the IP address (IPv4 or IPv6).
MAC Address	This shows the MAC address of the device.
Model Name	This shows the model name of the device.
Color/Black and White	This shows whether the device is a color or B&W printer.
PS3 (Only for PS version) PCL6 (Only for PCL6 version) PCL5(Only for PCL5 version)	This shows whether the device supports target PDL. Devices that do not support target PDL cannot be used.

Table 4-2-2 Details about Devices in the Network Search View

7. Select a device from the list of detected devices, and click **OK**.

Filtering Devices

You can specify parameters to filter devices on the Network Search and History views. Click **Details** at the lower right of the dialog box to display the Advanced Search Settings area, and specify your filter parameters.

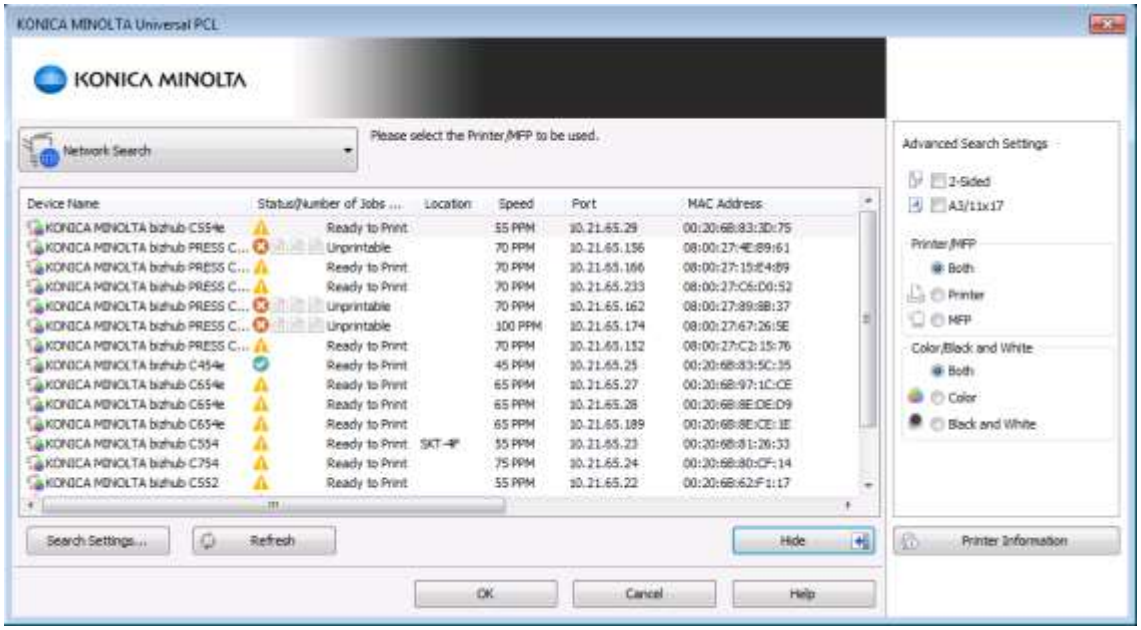

Figure 4-2-8 Example of Expanded View

Details of the filter parameters that you can specify are described below.

Parameter	Description
2-Sided	Select this checkbox to only show devices capable of two-sided printing.
A3/11x17	Select this checkbox to only show devices supporting A3 size and 11x17 inch paper. Note, however, that if this checkbox is selected, then devices will not be shown if they are unknown to support that size, or if they are third-party devices.
Printer/MFP	Select whether to display only printers, only MFP's, or both. Devices will be treated as printers if their type cannot be determined, or if they are third-party devices.
Color/Black and White	Specify whether to display only color printers, only B&W printers, or both.

Table 4-2-3 Details about Devices in the History View

Search Settings

When using "Network Search", you can set detailed search parameters in the "Search Settings" dialog box shown below.

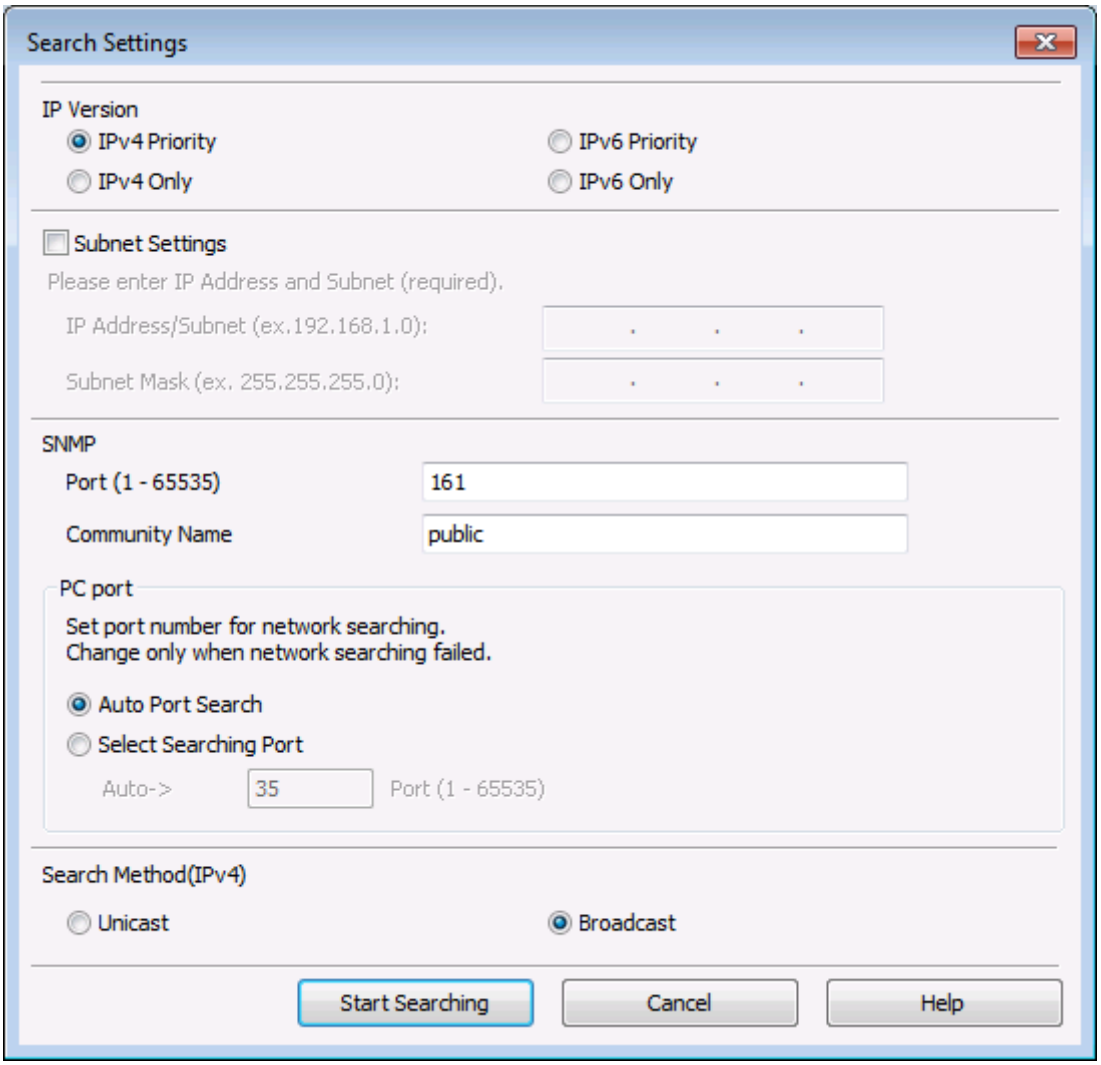

Figure 4-2-9 Search Settings Dialog Box

The settings and their descriptions are described below.

Parameter	Description
IP Version	Specify the IP protocol version to give priority for searching.
IPv4 Priority	Give priority to IPv4. This is the default for Windows Vista/Server 2008 or later operating systems.
IPv6 Priority	Give priority to IPv6.
IPv4 Only	Only search for IPv4. "IPv4 Only" is the only choice available on Windows XP/Server 2003 (other choices will be grayed out).
IPv6 Only	Only search for IPv6.
Subnet Settings	Select this checkbox to set the subnet to search for. If this checkbox is cleared, then IP address and subnet mask are acquired for computers with UPD installed, and the search is performed on that computer's subnet. This cannot be set if "IPv6 Only" is selected.

IP Address/Subnet	Specify the IP address of the subnet to search.
Subnet Mask	Specify the subnet mask of the subnet to search.
SNMP	Specify the SNMP setting for searching.
Port (1-65535)	Enter the SNMP port number that is set on the device side. Default is 161.
Community Name	Enter the SNMP Community Name that is set on the device side. Default is "public".
PC Port	Specify the port number on the PC side that is used for network searching.
Auto Port Search	Port is automatically searched. This is default.
Select Searching Port	Enter the port number from 1 to 65535. Defalut is 35.
Search Method(IPv4)	Specify the IPv4 search method. This is grayed out if "IPv6 Only" is selected.
Unicast	Perform the search via unicast. This will make the search take longer, because the computer will communicate with devices on the network on a 1-to-1 basis. And also it may be possible to detect devices that were not detected using a broadcast.
Broadcast	Perform the search via broadcast. This reduces the search time, because it communicates with all the devices on the network at once.

Table 4-2-5 Detailed Items in Search Settings Dialog Box

NOTE: If you specify a subnet other than that of the PC/server on which UPD is installed under "Subnet Settings," then a Broadcast request may not be able to pass through the router, depending on the router's configuration. If this happens, you can perform the search by changing the "Search Method" to Unicast.

Status Icon Specification

In the Network Search and History views, the "Status (Number of Jobs Waiting)" column shows icons indicating the device status and the length of the job queue. Each details is described below.

- **Device Status Icon**

This icon indicates whether a warning or error has occurred on the device. To see details about a warning or error, use the **Printer Information** described below, or check the device directly.

Device Status	Icon	Description
Ready		The device has no warnings or errors, and is ready to print.
Warning		There is a warning on the device, such as low toner or paper. Print is possible.
Unavailable		The device is unable to print, due to a device

		error, running out of paper, etc.
Unknown		The device status could not be acquired.

Table 4-2-6 Device Status Icons

- **Job Queue Icon**

This icon indicates the number of standby jobs on the device's queue.

Congestion	Queued Jobs	Icon
High	10+	
Medium	2-9	
Low	1	
No Jobs in Queue	0	
Unknown	Unknown	

Table 4-2-7 Job Queue Icons

Note, however, that the queue level will always be displayed as "unknown" for third-party devices.

The number in parentheses in the text to the right of the icon shows the number of currently queued jobs. The status information of these devices is updated every 10 seconds.

Printer Information

You can open the KONICA MINOLTA PAGE SCOPE Web Connection from the Device Selector, and check the device status from a Web browser. The procedure for checking the Printer Information is as follows.

- Select a device from the Network Search or History view, and click **Printer Information**. (The **Printer Information** can be found in the expanded area that appears when you click **Details**.)
- From the History view, right click on the device whose information you want to check, and select **Printer Information** from the context menu.

If a third-party device has the similar function to the KONICA MINOLTA PAGE SCOPE Web Connection, then you can also check its information using Printer Information.

4.3 Changing the Display Language

User can change the display language from Printing Preferences.

Printing Preferences

1. Click "Language Setting..." button in "Other" tab (or "Job" tab) of Printing Preferences.

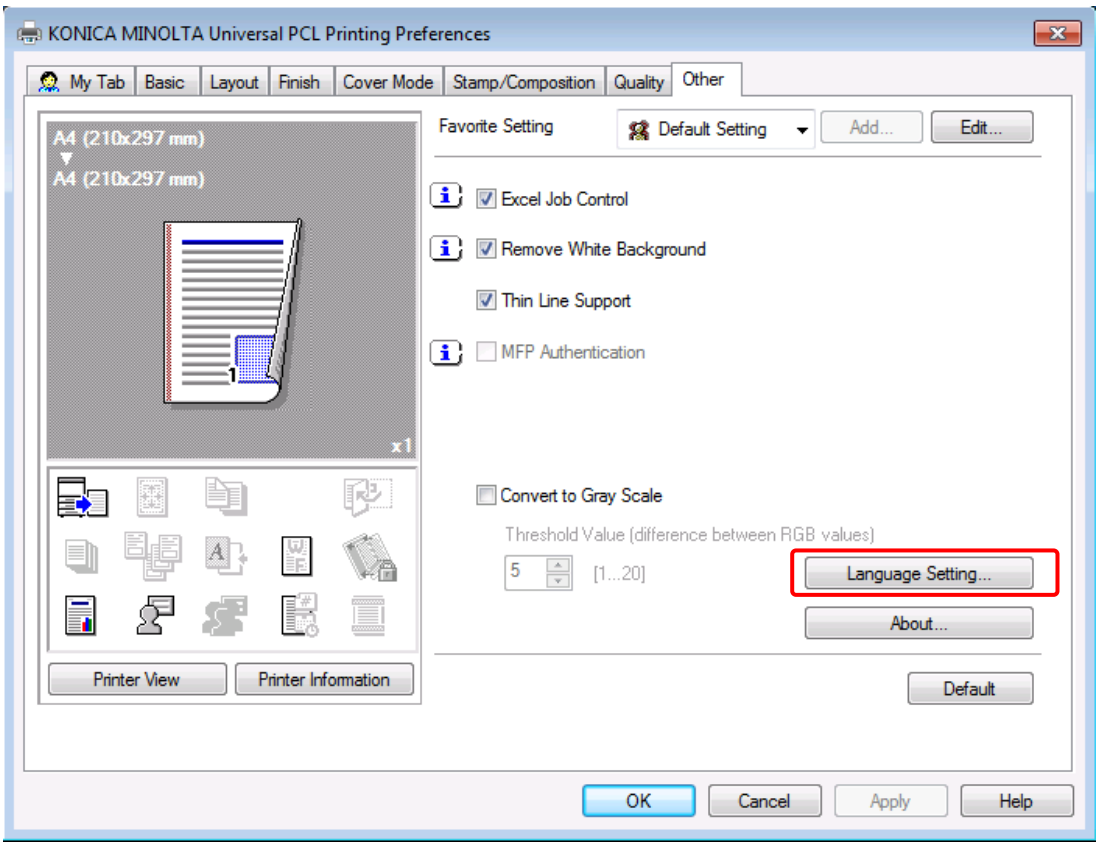

Figure 4-3-1 Printing Preferences screen

2. Select the display language from Language Setting dialog, and click OK.

Figure 4-3-2 Language Setting screen

3. Click OK in Printing Preferences.
4. Display language is changed when the Printing Preferences is opened next time.

Preferred and Fallback languages

If display language of Windows is not available in Universal Print Driver, best appropriate language will be chosen according to following table:

Windows Display Language	Preferred Language	1st Fallback Language (When preferred language is not available)	2nd Fallback Language (When preferred or fallback are not available)
English	English	n/a	n/a
French	French	English	English
German	German	English	English
Italian	Italian	English	English
Spanish	Spanish	English	English
Dutch	Dutch	English	English
Portuguese	Portuguese	English	English
Danish	Danish	English	English
Finnish	Finnish	English	English
Norwegian	Norwegian	English	English
Swedish	Swedish	English	English
Greek	Greek	English	English
Turkish	Turkish	English	English
Czech	Czech	English	English
Hungarian	Hungarian	English	English
Polish	Polish	English	English
Romanian	Romanian	English	English
Slovakian	Slovakian	Czech	English
Slovenian	Slovenian	English	English
Russian	Russian	English	English
Catalan	Catalan	Spanish	English
Euskera	Euskera	Spanish	English
Ukrainian	n/a	Russian	English
Serbo Croatian	n/a	English	English
Belarusian	n/a	Russian	English
Bulgarian	n/a	English	English
Albanian	n/a	Italian	English
Georgian	n/a	English	English
Lithuanian	n/a	Russian	English
Galician	n/a	Spanish	English
Irish	n/a	English	English
Latvian	n/a	Russian	English
Macedonian	n/a	English	English
Estonian	n/a	English	English
Frisian	n/a	Dutch	English
Welsh	n/a	English	English
Ossetian	n/a	Russian	English
Maltese	n/a	English	English
Luxembourgish	n/a	French	English
Icelandic	n/a	English	English
Komi	n/a	Russian	English
Scottish Gaelic	n/a	English	English

Figure 4-3-1 Display Language, Preferred and Fallback languages

NOTE: If "Auto" is selected for display language, OS language is determined and optimum display language is selected automatically.

NOTE: Following functions are not supported by language switching:

- Media names in the 'Paper available' section in tab 'General' of the property window.
- Media type names as displayed in the printer window of some applications that are started by PS driver.

- Switching the displayed language is not possible from within some applications, (e.g. Adobe)

4.4 UPD DriverAPI

DriverAPI is supported in KONICA MINOLTA Universal Print Driver.

DriverAPI provides I/F to make it possible to change the print settings directly from application made by customer without opening Driver UI. DriverAPI is already supported in KONICA MINOLTA Production Version Drivers.

4.5 PCL5

Printing with only black and white is possible in KONICA MINOLTA Universal Print Driver PCL5.

1. Open Printer Property dialog.
2. Click [Monochrome only] in [Device Settings] tab. Select [Enabled (PCL5e)]. Then the driver can be print only black and white.

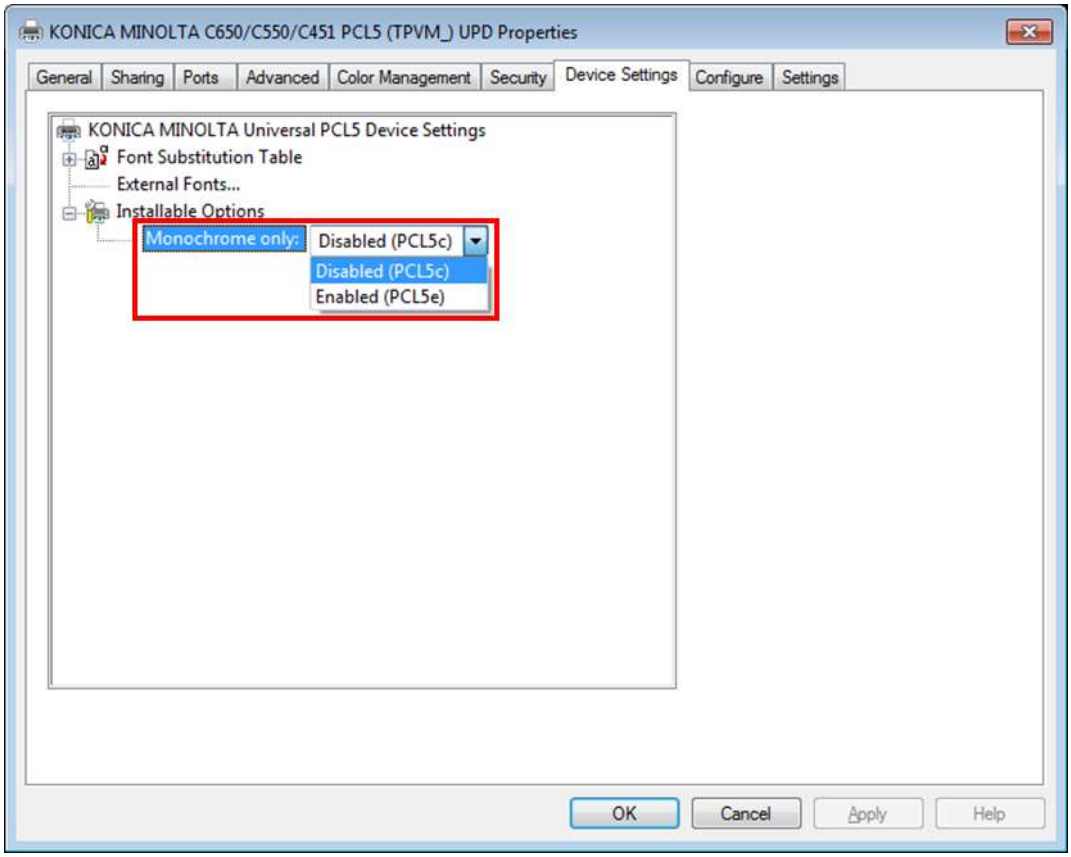

図 4-5-1 Select Monochrome only in PCL5

Disabled (PCL5c)

In Printing Preferences dialog. [Color] can be selected in [Quality] tab when Disabled (PCL5c) is selected.

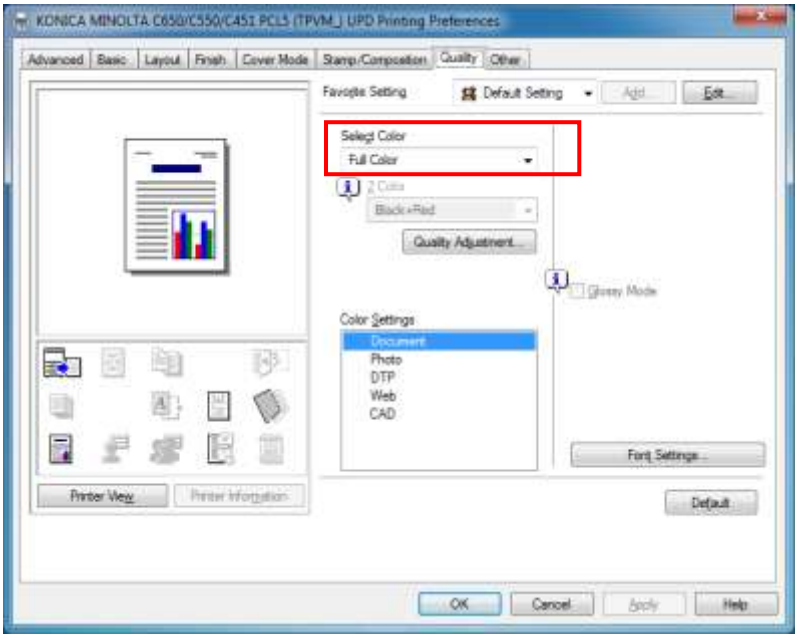

図 4-5-2 **[Quality] tab (when Disabled(PCL5c) is selected)**

Enabled (PCL5e)

In Printing Preferences dialog. [Color] cannot be selected in [Quality] tab when Enabled (PCL5e) is selected.

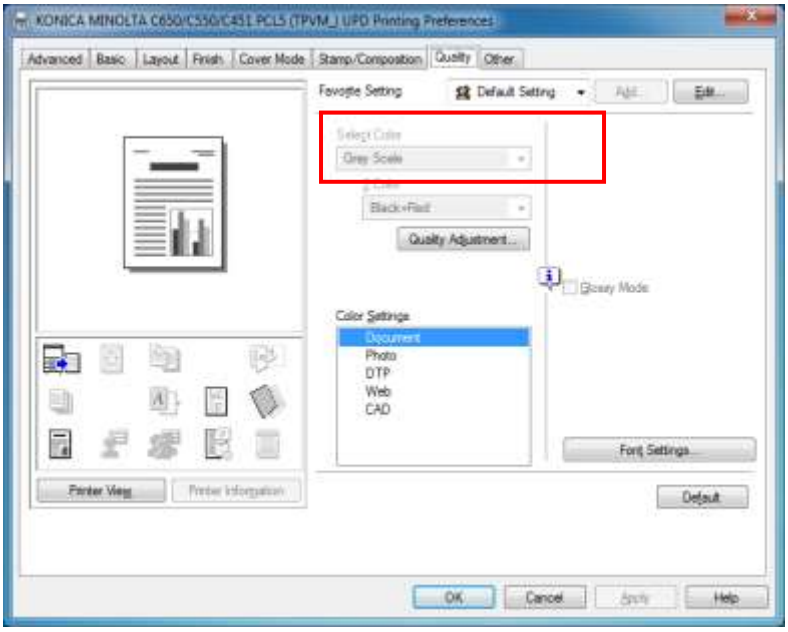

図 4-5-3 **[Quality] tab (when Enabled(PCL5e)is selected)**

Grayscale 1bit/8it changing

Grayscale 1bit/8it can be changed in [Advanced] tab of Printing Preference dialog.

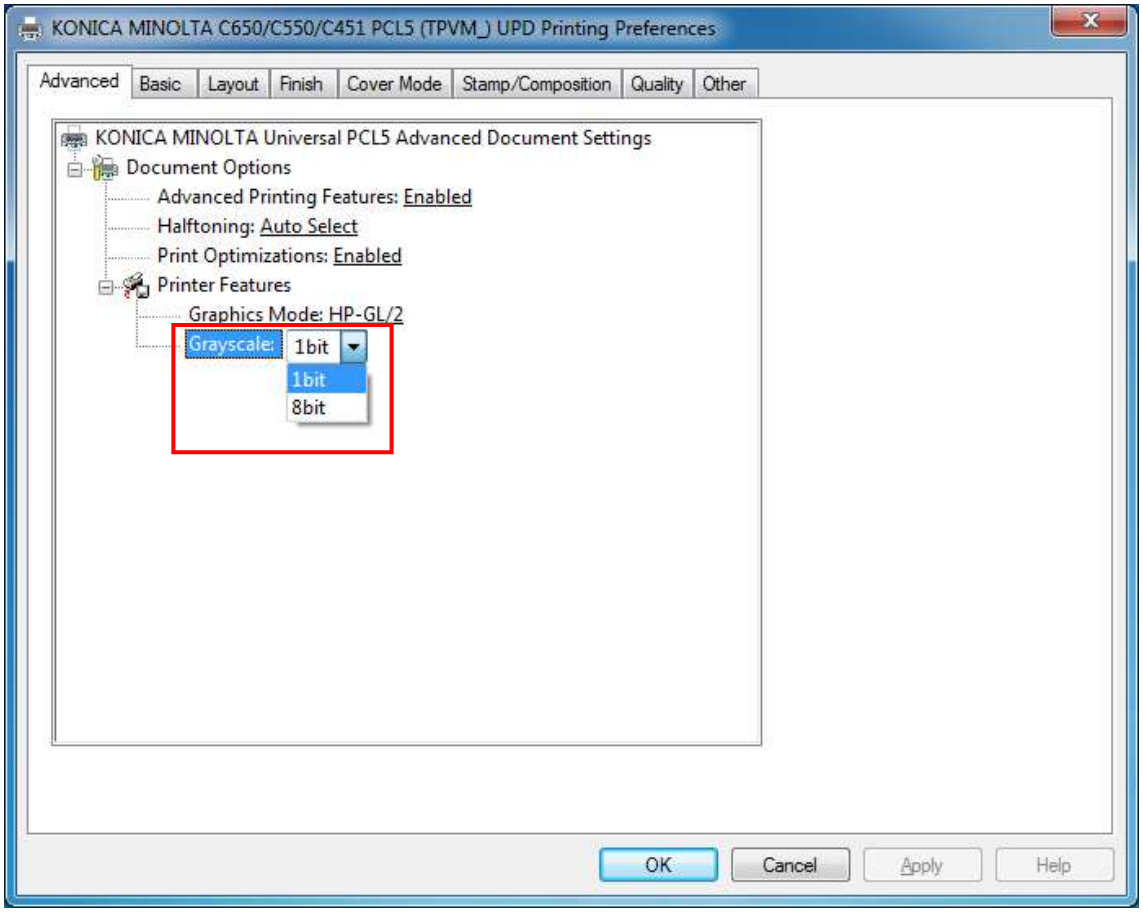

図 **4-5-4 Printer Property dialog**

NOTE: In PCL5 driver of color models, the default value is Disabled (PCL5).

NOTE: In PCL5 driver of monochrome models, the default value is Enabled (PCL5e). Disabled(PCL5c) cannot be selected.

NOTE: Grayscale 1bit/8bit cannot be selected in following models and will be fixed in 1 bit.

- bizhub 195/215/235
- bizhub 163/211
- bizhub 20
- bizhub 20P

4.6 Administrator Customization

KONICA MINOLTA Universal Print Driver supports the function that customize the print settings by administrator. Default value of print setting can be changed or fixed by

using this function.

Print setting of customization target

Feature	Value
Select Color	Auto Color
	Full Color
	Gray Scale
	2 Color
Print Type	1-Sided
	2-Sided
	Booklet
Output Method (MFP)	Print
	Secure Print
	Save in User Box
	Save in User Box/Print
	Proof Print
	ID&Print
Output Method (Printer)	Print
	Store Job
	Print and Hold
	Secured Job
	Proof then Print
	ID&Print
Related Item to Output Method	SecureID
	Secure Password
	Box File Name
	Box Number
	Password
	Hide Password
User Authentication / Account Track	User Type
	User Name
	Password (for User Authentication)
	Server Setting(1-20)
	MFP Authentication
	Department Name

	Password (Account Track)
	Enable Single Sign-On functionality for printing functions

Setting mothod

1. Open **Printer Property** view.

2. Select **Settings** tab, click **Administrator Customize**.

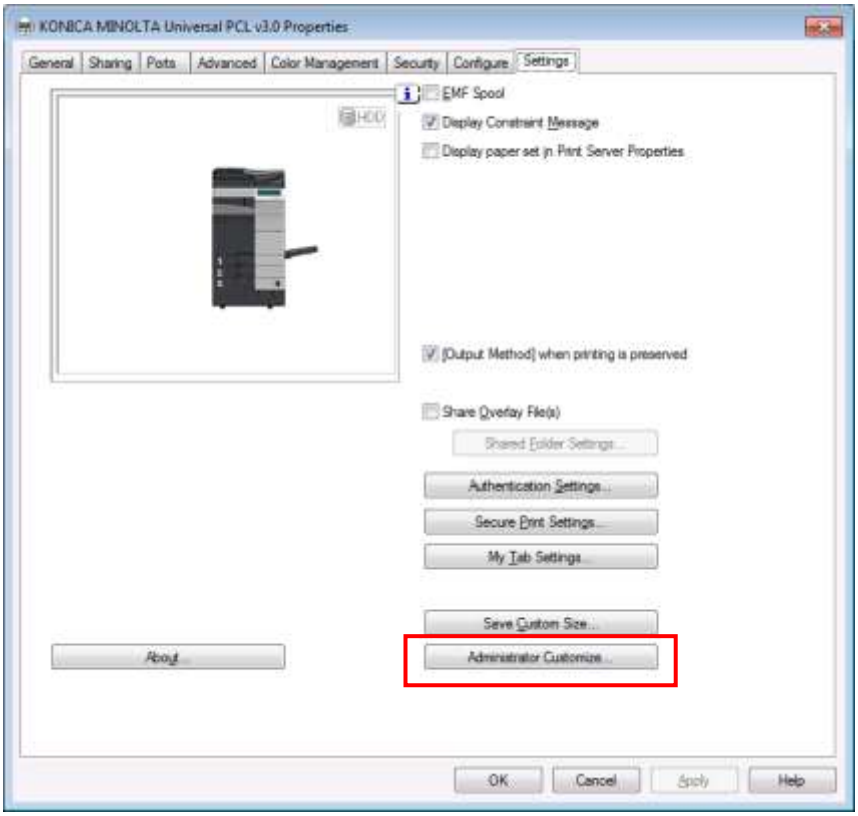

Figure 4-6-1 Setting tab of Printer Property

3. Setting dialog will be displayed. Select the method of customize print settings in the left column. Select **Select default setting** if you want to specify the default value, or select **Lock setting** if you want to fix the value.

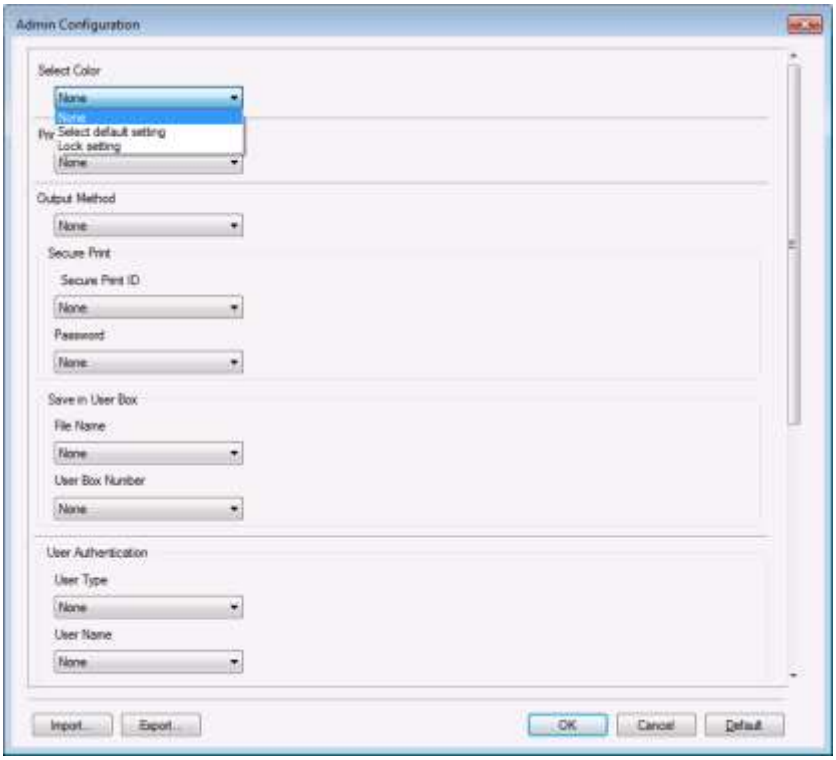

Figure 4-6-2 Adiministrator Customize Dialog Box - 1

4. Next, select the value of the feature in the righ column.

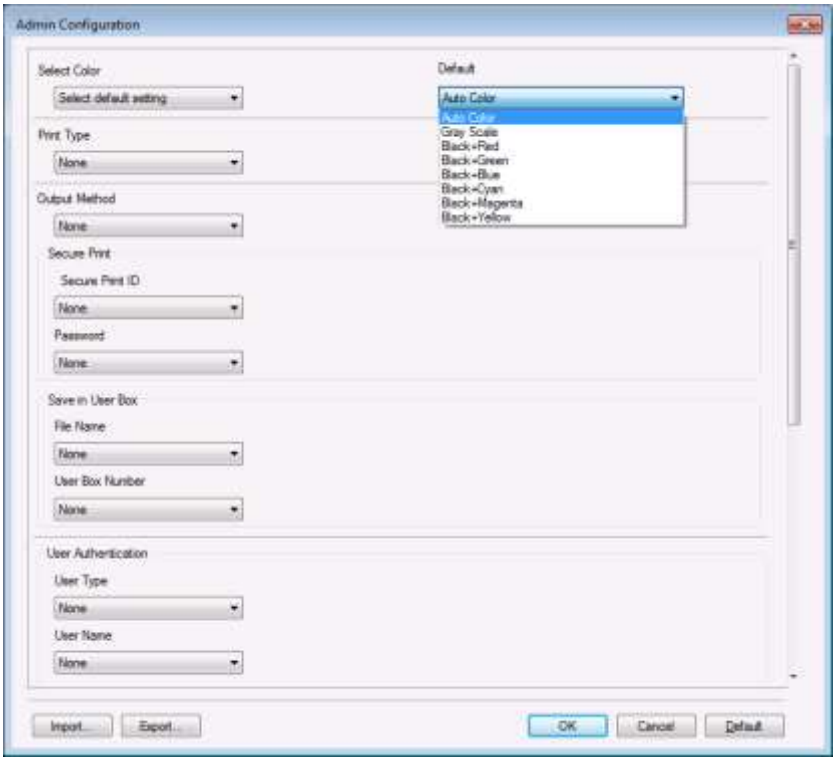

Figure 4-6-3 Adiministrator Customize Dialog Box - 2

5. In the example below, Gray Scale has been selected to the default value of Color setting.

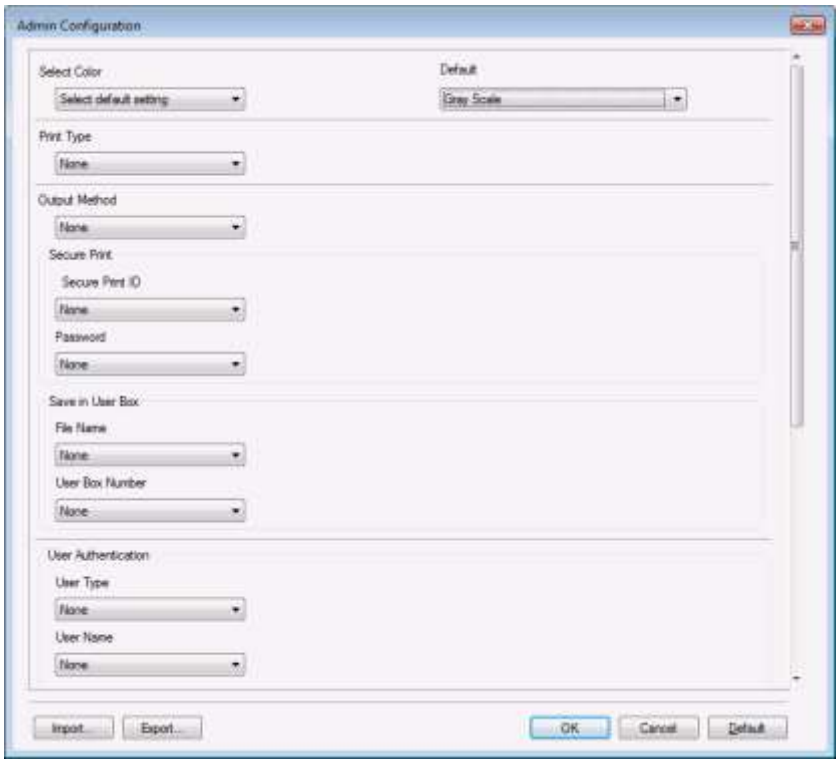

Figure 4-6-4 Adiministrator Customize Dialog Box - 3

Export and import the settings of Administrator Customization

It is possible to export the settings of Administrator Customization to file (.KAC file) and import to another Print Queue.

Method of export

1. Click Export.

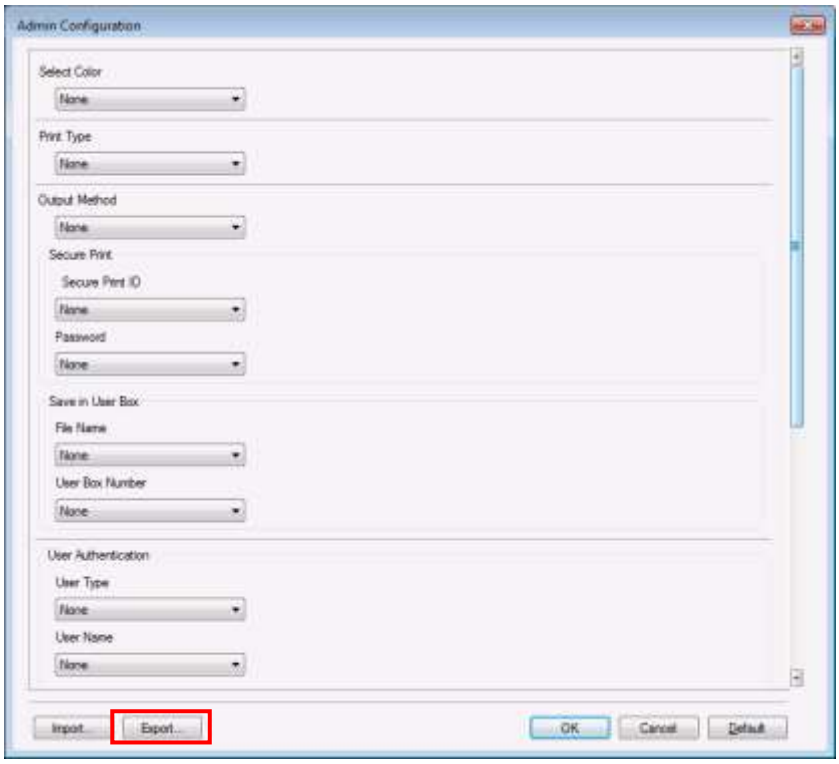

Figure 4-6-5 Export Selection

2. Specify location and file name, and then click **Save**.

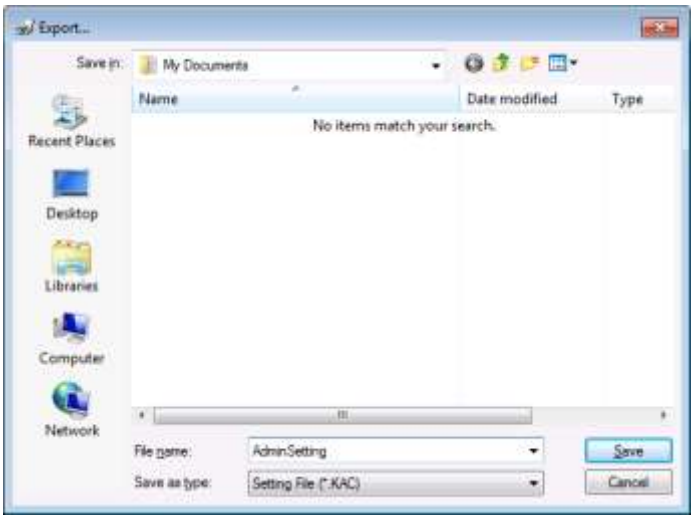

Figure 4-6-6 Export Destination Selection

Method of import

1. Click **import**.

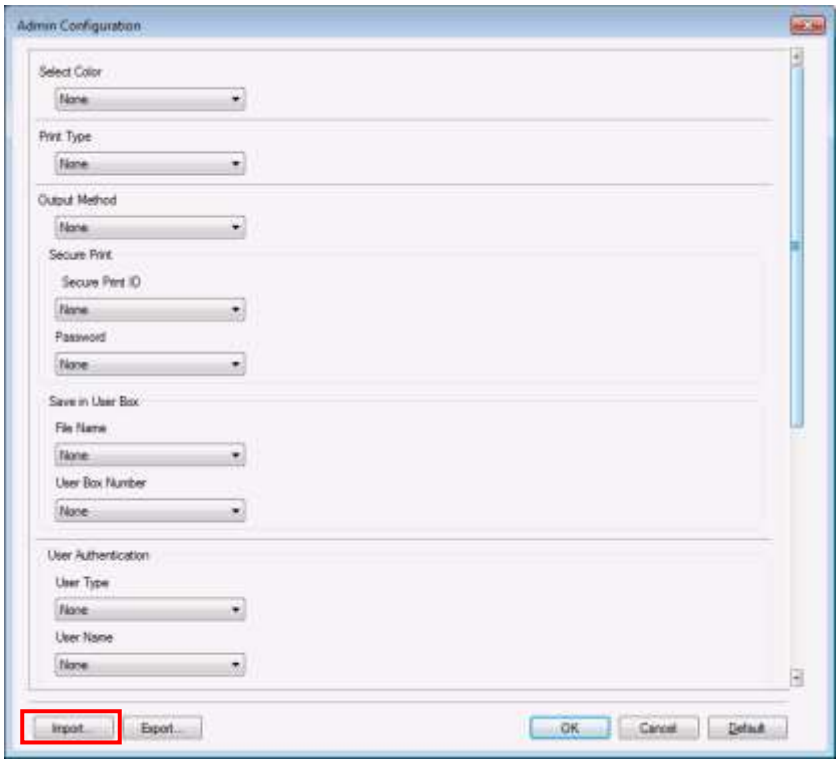

Figure 4-6-7 **Import Selection**

2. Select the .KAC to import and then click **Open**.

Figure 4-6-8 **Import Destination Selection**

4.7 Using InstCfg.ini

This section describes how to add the printer icon using InstCfg.ini. You can determine the model, SNMP setting and Administrator Customization setting with InstCfg.ini

Creating a Printer Icon

You can use InstCfg.ini when you create a printer icon by "Add Printer" wizard or command such as "PrintUI.dll". If an InstCfg.ini file is prepared, the operation will be determined in accordance with the InstCfg.ini file.

File path of InstCfg.ini file

C:\ ProgramData\KONICA MINOLTA\UPD\InstCFG.ini

Format of InstCfg.ini file

InstCfg.ini is a text file and encode is UTF-8. File format is based on ini file of Windows, but only [Install] section is CSV.

```
[Install]
PrintQueueName, ModelName, SNMPSetting, CustomizeSetting

[SNMP]
SNMPKey = PortNumber, UseVersion, CommunityName, DiscoveryName, ReadUserName,
ContextName, SecurityLevel, AuthenticationProtocol, AuthenticationPassword,
PrivacyProtocol, PrivacyPassword

[Customize]
CustomizeKey = CustomizeSettingCollection

[Strings]
StringKey = StringValue
```

Contents in InstCfg.ini file.

NOTE: Each value must be enclosed with double quotes.

Section	Key	Value	Description	Necessary
Install			To describ the printer icon name to be processed and its settings.	Yes
		PrintQueueName	To specify the printer icon name.	Yes
		ModelName	To specify the model name. The model name can be specify by models display in Printer propertys > Configure > Select Model view.	Yes
		SNMPSetting	To specify a preset of SNMP settings. To specify the SNMPKey name in SNMP section.	No
		CustomizeSetting	To specify a preset of Admin Customization. To specify the CustomizeKey name in Customize section.	No
SNMP			To define the preset settings related to SNMP.	No
	SNMPKey		To define the Key name of each SNMP setting preset. Key name is arbitrary. Can not use white space in Key name.	No
		PortNumber	Specify the UPD port number of device.	Yes(*1)
		UseVersion	Specify SNMP version 1 : SNMPv1/v2 3 : SNMPv3	Yes(*1)
		CommunityName	Specify Ccmmunity name of SNMPv1/v2. It is valid when UseVersion is "1".	No

		Default valude is“public”.	
	DiscoveryName	Specify SNMPv3 Ddscovery name of SNMPv3. It is valid when UseVersion is “3”. Default valude is“public”.	No
	ReadUserName	Specify user name of SNMPv3. It is valid when UseVersion is “3”. Default valude is“initial”.	No
	ContextName	It is valid when UseVersion is “3”. Default valude is“”.	No
	SecurityLevel	Specify security level of SNMPv3. noAuthNoPriv：Not authentice.（No authentication, no encryption） authNoPriv：auth-password （With authentication, no encryption） authPriv：auth-password/priv-password （With authentication, with encryption） It is valid when UseVersion is “3”.	Yes(*2)
	AuthenticationProtocol	Specify authentication protocol of SNMPv3 (SecurityLevel is valid only when authNoPriv/authPriv) MD5 SHA It is valid when UseVersion is “3”.	No

			Default valude is“MD5”.	
		AuthenticationPassword	Specify password fo SNMPv3 authentication. (SecurityLevel is valid only when authNoPriv/authPriv) It is valid when UseVersion is “3”. Default valude is“”.	No
		PrivacyProtocol	Specify encryption protocol of SNMPv3. (SecurityLevel is valid only when authNoPriv/authPriv) AES DES It is valid when UseVersion is “3”. Default valude is“DES”.	No
		PrivacyPassword	Specify password for SNMPv3 encryption. (SecurityLevel is valid only when authNoPriv/authPriv) It is valid when UseVersion is “3”. Default valude is“”.	No
Customize			To specify a preset of Admin Customization.	No
	CustomizeKey		To define the Key name of each Customize setting preset. Key name is arbitrary. Can not use white space in Key name. Specify settings of administrator customize separated by commas	No

			in Key name. It can be specified more than one.	
		CustomizeSettingCollection	Specify settings of administrator customize separated by commas as below. It can be specified more than one. Only descrip features that want to customize. Feature:Value.Action ※The value can be specified in Feature, Value, Action will be described in other list. ※Examle Customize="SelectColor:Geayscale.Fix, DoubleSides:Simplex.Default"	No
Strings			In this section, defines a string to be used in the Administrator Customization preset.	No
	StringKey		To define the Key name of each String. Key name is arbitrary. Can not use white space in Key name.	No
		StringValue	To specify the string to be used in the value of Administrator Customization. The value is need to be enclosed in double quotes. Use only one set when you use double quotes in value.	No

*1 : Necessary when use SNMPKey setting.

*2 : Necessary when UseVersion is “3”.

・ Table of value for CustomizeSettingCollection

This table describes the value that can be defined in CustomizeSettingCollection which in Customize section of InstCfg.ini.

"Fix" or "Default" can be defined in each action of value. "Fix" is means fix the value. "Default" is means set the value as default.

Feature	Value	CustomizeSettingCollection		Comment
		Feature	Value	
Select Color		SelectColor		
	Full Color		FullColor	
	Auto Color		AutoColor	
	Gray Scale		Grayscale	
	Black+Red		2Color_BlackRed	
	Black+Green		2Color_BlackGreen	
	Black+Blue		2Color_BlackBlue	
	Black+Cyan		2Color_BlackCyan	
	Black+Magenta		2Color_BlackMagenta	
	Black+Yellow		2Color_BlackYellow	
	Black+Chinese Red		2Color_BlackChineseRed	
Print Type		DoubleSides		
	1-Sided		Simplex	
	2-Sided		Duplex	
	Booklet		Booklet	Printer,MFP 共用
Output				

Method	Output Method		OutputMethod		OutputMethod(MFP), JobRetention(Printer)
		Print		NormalPrint	NormalPrint(MFP), NoStore(Printer)
		Secure Print		SecurePrint	SecurePrint(MFP), SecuredJob(Printer)
		Save in User Box		SaveBox	
		Save in User Box/Print		SaveBoxAndPrint	
		Proof Print		ProofPrint	ProofAndPrint(MFP), ProofPrint(Printer)
		ID&Print		TouchAndPrint	
		Store Job		StoreJob	Printer
		Print and Hold		PrintHold	Printer
	Secure Print (MFP) - Secure ID		SecureID		SecurePrint(MFP)
		Any value		※ Specify StringKey	
	Secure Print (MFP) - Secure passworf		SecurePassword		SecurePrint(MFP)
		Any value		※ Specify StringKey	
	Save in User Box - File Name		BoxFileName		
		Any value		※ Specify StringKey	

	Save in User Box		BoxNumber		
	- User Box Number	Any value		※ Specify StringKey	
	Secure Print (Printer) - Password		Password		SecureJob(Printer)
		Any value		※ Specify StringKey	
	Secure Print (Printer) - Hide password		HidePassword		SecureJob(Printer)
		Off		Off	
		On		On	
User Authentication					
	User Type		AuthUserType		
		Public User		PublicUser	
		Recipient User		RecipientUser	
	User Name		RecipientUserName		
		WindowsLoginID		WinLoginUser	
		Any value		※ Specify StringKey	
	Password		RecipientPassword		
		Any value		※ Specify StringKey	
	Server Setting		ServerSetting		
		Server1		Server01	
		Server2		Server02	
		Server3		Server03	
		Server4		Server04	

		Server5		Server05	
		Server6		Server06	
		Server7		Server07	
		Server8		Server08	
		Server9		Server09	
		Server10		Server10	
		Server11		Server11	
		Server12		Server12	
		Server13		Server13	
		Server14		Server14	
		Server15		Server15	
		Server16		Server16	
		Server17		Server17	
		Server18		Server18	
		Server19		Server19	
		Server20		Server20	
	MFP Authentication		AuthEngine		
		Off		Off	
		On		On	
Account Track					
	Department Name		DepartmentName		
		Any value		※ Specify StringKey	

	Password		DepartmentPassword		
		Any value		※ Specify StringKey	
Enable Single Sign-On functionality for printing functions			SingleSignOn		
		Off		Off	
		On		On	

5. Frequently Asked Questions

5.1 Is the Microsoft Cluster Service (MSCS) supported?

Yes. KONICA MINOLTA Universal Print Driver supports the following OS MSCS.

- Windows Server 2008 Enterprise (x86/x64)
- Windows Server 2008 R2 Enterprise
- Windows Server 2012
- Windows Server 2012 R2

5.2 Is the Citrix Environment Supported?

Yes. KONICA MINOLTA Universal Printer Driver supports the following environments.

- Citrix XenApp 6.5
- Citrix XenApp 7.5
- Citrix XenApp 7.6
- Citrix XenApp 7.7

5.3 Are TS Easy Print and RD Easy Print supported?

In KONICA MINOLTA Universal Print Driver, the "KONICA MINOLTA Universal PCL/PCL5" supports TS Easy Print and RD Easy Print.

5.4 How to Find the Supported or Non Supported Products by UPD?

The devices in the UPD device list with the "PDL Support **- Yes -**" icon shown in **Table 2-4-1 Printer Type Icons** of section 2.4 in the leftmost column support PDL. Those with the "PDL Support **- No -**" icon do not support it.

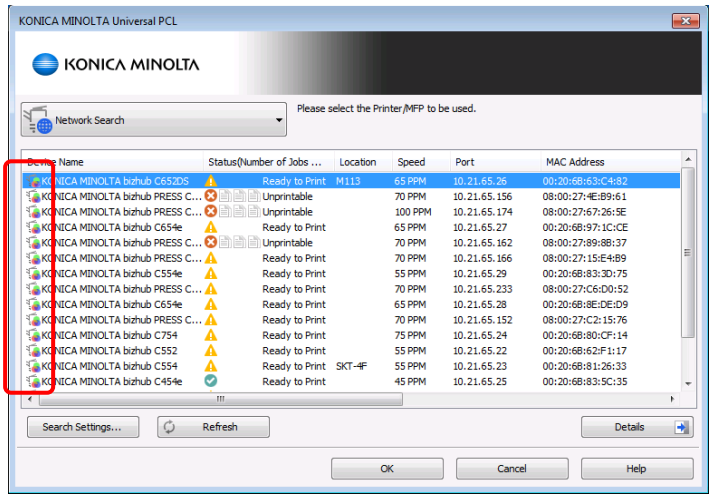

Figure 5-4-1 Example of Printer Type Icon Page View

5.5 Can I Use MyTab Function?

If MyTab is available from the individual driver for that Konica Minolta device, then it is also available from UPD.

5.6 Can All Users Utilize UPD without Restrictions?

No, they cannot. The user without port-creation privileges (e.g. having "User" privileges) can not use Device Selector.

In this case as well, you can still print to connections that have been pre-configured by an administrator.

5.7 Is the Windows 7 Device Stage supported?

No, support is not available. If you access the KONICA MINOLTA Universal Print Driver icon from the Devices and Printers window of Windows 7, the spooler window will open instead of the Device Stage window.

5.8 Is Printer Driver Isolation supported?

Yes. When Universal Print Driver PCL (PS) Version 2.0.2.0 or later is installed, it operates in **shared mode**.

6. Appendix

6.1 Function list of PCL5

MFP(IT4 later)

Function	C754(e)/C654(e)	554e/454e/364e/284e/224e	754(e)/654(e)	C554(e)/C454(e)/C364(e)/C284(e)/C224(e)	C281/C221/C221s	367/287/227	C368/C308/C258	C287/C227	958/808/758	C658/ C558/ C458	558/458	368/308	C266/ C226	C3851/ C3351/ C3851FS	658e/658e/458e/458e/458e	C759/C659	WPH	4752/4052	A3 common
Document Property																			
AdvancedTab																			
Document Options	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PostScript Options	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
PostScript Output Option	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Send PostScript Error Handler	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Mirrored Output	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Advanced Printing Features	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
PostScript Pass through	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Halftoning	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print Optimizations	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Printer Features	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Graphics Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Grayscale	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Function	C754(e)/C654(e)	554e/454e/364e/284e/224e	754(e)/654(e)	C554(e)/C454(e)/C364(e)/C284(e)/C224(e)	C281/C221/C221s	367/287/227	C368/C308/C258	C287/C227	958/808/758	C658/ C558/ C458	558/458	368/308	C266/ C226	C3851/ C3351/ C3851FS	658e/658e/458e/458e/458e	C759/C659	WPH	4752/4052	A3 common
BasicTab																			
Original Orientation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Original Size	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Size	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zoom	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Tray	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Output Method	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copies	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Collate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offset	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Setteing for Each Tray	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Authentication / Account Track	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Function	C754(e)/C654(e)	554e/454e/364e/284e/224e	754(e)/654(e)	C554(e)/C454(e)/C364(e)/C284(e)/C224(e)	C281/C221/C221s	367/287/227	C368/C308/C258	C287/C227	958/808/758	C658/ C558/ C458	558/458	368/308	C266/ C226	C3851/ C3351/ C3851FS	658e/658e/458e/458e/458e	C759/C659	WPH	4752/4052	A3 common
Layout Tab																			
Combination	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Enable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Combination Detailes(N-up)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Combination	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Layout Order	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Border	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Combination Detailes(poster)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Combination	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Overlap width line	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Combination(No Reduction)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Rotate 180	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
180 Degree Rotation Setting...	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Skip Blank Pages	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Chapters	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print Position Settings	No	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No
Print Type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Selection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1-Side/2-Side	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
booklet	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Binding Position	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Binding Margin		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Enable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Front Side	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Back Side	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Shift		Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Enable	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Front Side	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Back Side	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Function	C754(e)/C654(e)	554e/454e/364e/284e/224e	754(e)/654(e)	C554(e)/C454(e)/C364(e)/C284(e)/C224(e)	C281/C221/C221s	367/287/227	C368/C308/C258	C287/C227	958/808/758	C658/ C558/ C458	558/458	368/308	C266/ C226	C3851/ C3351/ C3851FS	658e/658e/458e/458e/458e	C759/C659	WPH	4752/4052	A3 common
Finish Tab																			
Staple	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Center Staple and Fold	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Punch	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Fold	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Center Erase	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Output Order	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Output Tray	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Paper Arrangement	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Cover Mode Tab																			
Front Cover	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Back Cover	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Per Page Setting	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Transparency Interleave	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PI Front Cover	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
PI Back Cover	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
Stamp/Composition Tab																			
Watermark	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Create Overlay File	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print in Overlay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copy Protect	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Data/Time	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Page Number	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Header/Footer	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Distribution Number Stamping	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Function	C754(e)/C654(e)	554e/454e/364e/284e/224e	754(e)/654(e)	C554(e)/C454(e)/C364(e)/C284(e)/C224(e)	C281/C221/C221s	367/287/227	C368/C308/C258	C287/C227	958/808/758	C658/ C558/ C458	558/458	368/308	C266/ C226	C3851/ C3351/ C3851FS	658e/658e/458e/458e/458e	C759/C659	WPH	4752/4052	A3 common
Quality Tab																			
Select Color	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
2 Color	Yes	No	No	Yes	No	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Print with Black	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Color Settings	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
Auto Trapping	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Black Over Print	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Pattern	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Image Compression	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

		Glossy Mode	Yes	No	No	Yes	No	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
		Toner Save	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
		Edge Enhancement	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
		Font Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Smoothing	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Draft Print	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
	Other tab																				
		Excel Job Control	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Remove White Background	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Thin Line Support	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Language Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Function	C754(e)/C654(e)	554e/454e/364e/284e/224e	754(e)/654(e)	C554(e)/C454(e)/C364(e)/C284(e)/C224(e)	C281/C221/C221s	367/287/227	C368/C308/C258	C287/C227	958/808/758	C658/ C558/ C458	558/458	368/308	C266/ C226	C3851/ C3351/ C3851FS	658e/658e/458e/458e/458e	C759/C659	WPH	4752/4052	A3 common
Device Property																			
Device Setting tab																			
Font Substituion Table	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Available PostScript Memory	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Output Protocol	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Send CTRL-D Before Each Job	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Send CTRL-D After Each Job	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Convert Gray Text to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Convert Gray Graphics to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Add Euro Currency Symbol to PostScript Fonts	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Function	C754(e)/C654(e)	554e/454e/364e/284e/224e	754(e)/654(e)	C554(e)/C454(e)/C364(e)/C284(e)/C224(e)	C281/C221/C221s	367/287/227	C368/C308/C258	C287/C227	958/808/758	C658/ C558/ C458	558/458	368/308	C266/ C226	C3851/ C3351/ C3851FS	658e/658e/458e/458e/458e	C759/C659	WPH	4752/4052	A3 common
Job Timeout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Wait Timeout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Minimum Font Size to Download as Outline	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Font Size to Download as Bitmap	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
External Fonts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Installable Options	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MoNochrome Only	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Configure tab																			
Device Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Paper Tray Information	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Tray Settings	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Obtain Device Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Obtain Settings	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
SNMP Settings	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Encrypt Passphrase	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Software Tools	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Setting tab																			
EMF Spool	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Display Constraint Message	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Display paper set in Print Server Properties	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Verify Authentication settings before printing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

Popup Authentication Dialog when printing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Optimize CAD data Printing	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Fix Secure Print	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Enter ID/PWD to execute secure print	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Save Custom Size	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Model Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

MFP(IT4 earlier)

Function	C650/C550/C451	C353/C253/C203	350/250/200	C652(DS)/C552(DS)/C452	C360/C280/C220	652/602/552/502	423/363/283/223	751/601(2.0.0.UPD_03)	751/601(1.0.2/3.UPD_03)	501/421/361	362/282/222	mc8650
Document Property												
AdvancedTab												
Document Options	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PostScript Options	No	No	No	No	No	No	No	No	No	No	No	No
PostScript Output Option	No	No	No	No	No	No	No	No	No	No	No	No
Send PostScript Error Handler	No	No	No	No	No	No	No	No	No	No	No	No
Mirrored Output	No	No	No	No	No	No	No	No	No	No	No	No
Advanced Printing Features	No	No	No	No	No	No	No	No	No	No	No	No
PostScript Pass through	No	No	No	No	No	No	No	No	No	No	No	No
Halftoning	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print Optimizations	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Printer Features	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Graphics Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Grayscale	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Function	C650/C550/C451	C353/C253/C203	350/250/200	C652(DS)/C552(DS)/C452	C360/C280/C220	652/602/552/502	423/363/283/223	751/601(2.0.0.UPD_03)	751/601(1.0.2/3.UPD_03)	501/421/361	362/282/222	mc8650
BasicTab												
Original Orientation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Original Size	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Paper Size	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zoom	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Tray	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Output Method	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Copies	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Collate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offset	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Setteing for Each Tray	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Authentication / Account Track	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

Function	C650/C550/C451	C353/C253/C203	350/250/200	C652(DS)/C552(DS)/C452	C360/C280/C220	652/602/552/502	423/363/283/223	751/601(2.0.0.UPD_03)	751/601(1.0.2/3.UPD_03)	501/421/361	362/282/222	mc8650
Layout Tab												
Combination	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Enable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Combination Detailes(N-up)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Combination	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Layout Order	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Border	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Combination Detailes(poster)	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Combination	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Overlap width line	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Combination(No Reduction)	No	No	No	No	No	No	No	Yes	Yes	Yes	No	No
Rotate 180	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
180 Degree Rotation Setting...	No	No	No	No	No	No	No	No	No	No	No	No

Skip Blank Pages			No	No	No	No	No	No	No	No	No	No	No	No
Chapters			Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Print Position Settings			No	No	No	No	No	No	No	Yes	Yes	No	No	No
Print Type			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Selection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		1-Side/2-Side	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		booklet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Binding Position			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Binding Margin			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Enable		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Front Side		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Back Side		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Shift			Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
	Enable		Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
	Front Side		Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
	Back Side		Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No

Function	C650/C550/C451	C353/C253/C203	350/250/200	C652(DS)/C552(DS)/C452	C360/C280/C220	652/602/552/502	423/363/283/223	751/601(2.0.0.UPD_03)	751/601(1.0.2/3.UPD_03)	501/421/361	362/282/222	mc8650
Finish Tab												
Staple	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Center Staple and Fold	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Punch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fold	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Center Erase	No	Yes	No	No	No	No	No	No	No	No	No	No
Output Order	No	No	No	No	No	No	No	Yes	Yes	No	No	No
Output Tray	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

Paper Arrangement	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No	No	No
Cover Mode Tab												
Front Cover	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Back Cover	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Per Page Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transparency Interleave	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PI Front Cover	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No	No	No
PI Back Cover	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No	No	No
Stamp/Composition Tab												
Watermark	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Create Overlay File	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print in Overlay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copy Protect	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No
Data/Time	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Page Number	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Header/Footer	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Distribution Number Stamping	No	No	Yes	No	No	No	No	No	No	No	Yes	No

Function	C650/C550/C451	C353/C253/C203	350/250/200	C652(DS)/C552(DS)/C452	C360/C280/C220	652/602/552/502	423/363/283/223	751/601(2.0.0.UPD_03)	751/601(1.0.2/3.UPD_03)	501/421/361	362/282/222	mc8650
Quality Tab												
Select Color	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No	No	No
2 Color	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No
Print with Black	No	No	No	No	No	No	No	No	No	No	No	No
Color Settings	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No	No	No
Auto Trapping	No	No	No	No	No	No	No	No	No	No	No	No
Black Over Print	No	No	No	No	No	No	No	No	No	No	No	No

		Pattern	No	No	No	No	No	No	No	No	No	No	No	No
		Image Compression	No	No	No	No	No	No	No	No	No	No	No	No
		Glossy Mode	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No	No	No
		Toner Save	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
		Edge Enhancement	No	Yes	No	Yes	Yes	Yes	Yes	No	No	No	No	No
		Font Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
		Smoothing	No	No	No	No	No	No	No	Yes	Yes	Yes	No	No
		Draft Print	No	No	No	No	No	No	No	Yes	Yes	Yes	No	No
	Other tab													
		Excel Job Control	No	No	No	No	No	No	No	No	No	No	No	No
		Remove White Background	No	No	No	No	No	No	No	No	No	No	No	No
		Thin Line Support	No	No	No	No	No	No	No	No	No	No	No	No
		Language Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Function	C650/C550/C451	C353/C253/C203	350/250/200	C652(DS)/C552(DS)/C452	C360/C280/C220	652/602/552/502	423/363/283/223	751/601(2.0.0.UPD_03)	751/601(1.0.2/3.UPD_03)	501/421/361	362/282/222	mc8650
Device Property												
Device Setting tab												
Font Substituion Table	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Available PostScript Memory	No	No	No	No	No	No	No	No	No	No	No	No
Output Protocol	No	No	No	No	No	No	No	No	No	No	No	No
Send CTRL-D Before Each Job	No	No	No	No	No	No	No	No	No	No	No	No
Send CTRL-D After Each Job	No	No	No	No	No	No	No	No	No	No	No	No
Convert Gray Text to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No
Convert Gray Graphics to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No
Add Euro Currency Symbol to PostScript Fonts	No	No	No	No	No	No	No	No	No	No	No	No
Job Timeout	No	No	No	No	No	No	No	No	No	No	No	No

Function	C650/C550/C451	C353/C253/C203	350/250/200	C652(DS)/C552(DS)/C452	C360/C280/C220	652/602/552/502	423/363/283/223	751/601(2.0.0.UPD_03)	751/601(1.0.2/3.UPD_03)	501/421/361	362/282/222	mc8650
Wait Timeout	No	No	No	No	No	No	No	No	No	No	No	No
Minimum Font Size to Download as Outline	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Font Size to Download as Bitmap	No	No	No	No	No	No	No	No	No	No	No	No
External Fonts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Installable Options	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MoNochrome Only	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Configure tab												
Device Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Paper Tray Information	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Paper Tray Settings	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Obtain Device Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Obtain Settings	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
SNMP Settings	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Encrypt Passphrase	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Software Tools	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Setting tab												
EMF Spool	No	No	No	No	No	No	No	No	No	No	No	No
Display Constraint Message	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Display paper set in Print Server Properties	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Verify Authentication settings before printing	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Popup Authentication Dialog when printing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Optimize CAD data Printing	No	No	No	No	No	No	No	No	No	No	No	No
Fix Secure Print	No	No	No	No	No	No	No	No	Yes	No	No	No
Enter ID/PWD to execute secure print	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No

		Save Custom Size	No	No	No	No	No	No	No	No	No	No	No	No
		Model Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Printer

Function	C30P/C31P	mc4650	mc4695MF	C20	C20P	mc5550/mc5570	mc5650/mc5670	mc5450	C35P/mc4750	C35	C25	pp4650/pp5650	A4 common	42/36	42/36(EU/JP)	4700P/4000P/3300P	C3850/C3350	4750/4050	C3100P	C3110	4020/3320	25e	4750/4050	4402P/3602P	4422/3622	Baseline
Document Property																										
Advanced Tab																										
Document Options	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PostScript Options	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
PostScript Output Option	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Send PostScript Error Handler	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Mirrored Output	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
PostScript Pass through	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Print Optimizations	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Printer Features	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
BasicTab																										
Original Orientation	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Original Size	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Output Size	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Zoom	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Paper Source	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Paper Type	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No

Job Retention	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Copies	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Collate	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
Offset	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	No	yes	No	No	No	No	No	No	No	No	No
Manually Print on 2nd Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	yes	yes	No	No	No	No	No	No
Job Accounting Settings	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	No	No	No	No	yes	No	No	yes	yes	No
Authentication / Account Track	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	No	yes	yes	yes	yes	No	No	yes	No	No	No

Function	C30P/C31P	mc4650	mc4695MF	C20	C20P	mc5550/mc5570	mc5650/mc5670	mc5450	C35P/mc4750	C35	C25	pp4650/pp5650	A4 common	42/36	42/36(EU/JP)	4700P/4000P/3300P	C3850/C3350	4750/4050	C3100P	C3110	4020/3320	25e	4750/4050	4402P/3602P	4422/3622	Baseline
Layout Tab																										
N-up/Poster	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
N-up/Poster Details(N-up)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
N-up	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Order	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Border	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
N-up/Poster Details(Poster)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Poster	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Poster Margin Line	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Rotate 180	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	yes
Skip Blank Pages	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Print Type	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Selection	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
1-Side/2-Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
booklet	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	yes
Booklet Details	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	yes
Binding Direction	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	yes
Border	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	yes
Binding Position	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
Binding Margin	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Enable	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Front Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Back Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Image Shift	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Enable	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Front Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Back Side	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No

Function	C30P/C31P	mc4650	mc4695MF	C20	C20P	mc5550/mc5570	mc5650/mc5670	mc5450	C35P/mc4750	C35	C25	pp4650/pp5650	A4 common	42/36	42/36(EU/JP)	4700P/4000P/3300P	C3850/C3350	4750/4050	C3100P	C3110	4020/3320	25e	4750/4050	4402P/3602P	4422/3622	Baseline
Finish Tab																										
Staple	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	No	yes	yes	No	No	No	No	yes	No	No	No
Center Staple and Fold	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Punch	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Fold	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Center Erase	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Output Tray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	No	No	No	No
Paper Arrangement	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Cover Page Tab																										
Front Cover	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Back Cover	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Separator Page	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Watermark/Overlay Tab																										
Watermark	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Create Overlay File	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Print in Overlay	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Quality Tab																										
Select Color	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	yes
Color Settings	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	No	yes	yes	yes	yes	No	No	yes	No	No	No
Auto Trapping	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Black Over Print	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Resolution	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Pattern	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Image Compression	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Color Separation	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Glossy Mode	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	No	No	No	No	No	No	No	No	No
Toner Save	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
Edge Strength	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	No	yes	yes	yes	yes	No	No	yes	No	No	No
Font Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Function	C30P/C31P	mc4650	mc4695MF	C20	C20P	mc5550/mc5570	mc5650/mc5670	mc5450	C35P/mc4750	C35	C25	pp4650/pp5650	A4 common	42/36	42/36(EU/JP)	4700P/4000P/3300P	C3850/C3350	4750/4050	C3100P	C3110	4020/3320	25e	4750/4050	4402P/3602P	4422/3622	Baseline
Other tab																										
Excel Job Control	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Remove White Background	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Email Notification	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	No	No	No	No	No	No	No	No	No	No
Thin Line Support (Rect Out Mode)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Keep duplicate documents	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	yes	yes	No
Language Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Device Property																										
Device Setting tab																										
Font Substituion Table	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Available PostScript Memory	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Output Protocol	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Send CTRL-D Before Each Job	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Send CTRL-D After Each Job	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Convert Gray Text to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Convert Gray Graphics to PostScript Gray	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Add Euro Currency Symbol to PostScript Fonts	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Job Timeout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Wait Timeout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Minimum Font Size to Download as Outline	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Font Size to Download as Bitmap	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
External Fonts	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Function	C30P/C31P	mc4650	mc4695MF	C20	C20P	mc5550/mc5570	mc5650/mc5670	mc5450	C35P/mc4750	C35	C25	pp4650/pp5650	A4 common	42/36	42/36(EU/JP)	4700P/4000P/3300P	C3850/C3350	4750/4050	C3100P	C3110	4020/3320	25e	4750/4050	4402P/3602P	4422/3622	Baseline
Configure tab																										
Device Option	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
Setting	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No
Paper Tray Information	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Paper Tray Settings	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Obtain Device Information	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Obtain Settings	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
SNMP Settings	No	No	No	No	No	No	No	No	yes	yes	yes	No	No	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	No
Encrypt Passphrase	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Software Tools	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	yes	yes	yes
Setting tab																										
EMF Spool	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Display Constraint Message	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Display paper set in Print Server Properties	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Verify Authentication	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

		settings before printing																										
		Popup Authentication Dialog when printing	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Enter ID/PWD to execute secure print	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Save Custom Size	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
		Model Setting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes