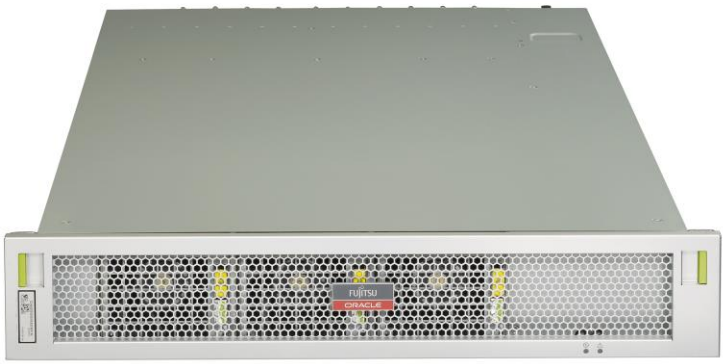
PCI EXPANSION UNIT

I/O EXPANDABILITY FOR FUJITSU M10 SERVERS

KEY FEATURES

- Supported for Fujitsu M10-1, Fujitsu M10-4 and Fujitsu M10-4S servers
- 11 PCI Express 3.0 slots in a small 2U form factor
- PCI Expansion Unit power is synchronized with the power status of the Fujitsu M10 servers
- Hot swap of PCI Express cards, power supplies and fans is supported
- Monitored and controlled from the XSCF System Monitoring Function of the Fujitsu M10 servers
- Power supplies configured with 1 + 1 redundancy, and dual power feed configuration is supported

The PCI Expansion Unit is an I/O expansion option for Fujitsu M10-1, Fujitsu M10-4 and Fujitsu M10-4S SPARC servers and meets application demands requiring extensive scalability, mission-critical levels of availability, and seamless datacenter integration. The PCI Expansion Unit takes maximum advantage of the high I/O bandwidth of the Fujitsu M10 server family.



Ideal for the Most Demanding I/O Requirements

Perfectly suited for Fujitsu M10 servers, the PCI Expansion Unit offers significant I/O adapter expandability. One or more PCI Expansion Units can be connected to Fujitsu M10-1, Fujitsu M10-4 and Fujitsu M10-4S servers, providing connectivity of up to 11 additional PCI Express slots per PCI Expansion Unit in a space-saving rack-mount chassis (2U). The latest PCI Express Generation 3 is supported by the PCI Expansion Unit

Easy monitoring and control from Fujitsu M10 servers

The PCI Expansion Unit can be easily monitored and controlled in conjunction with the XSCF (eXtended System Control Facility) System Monitoring Function of Fujitsu M10 servers. PCI Expansion Units will power on/off in synchronization with the power status of the Fujitsu M10 servers.

High Reliability, Availability and Serviceability

PCI Expansion Unit power supplies are configured with 1 + 1 redundancy and support dual power feed. Fans are configured with 2 + 1 redundancy. All PCI Express cards, power supplies, and fans support hot-swap.

PCI Expansion Unit Specifications	
Main Item	**Specification**
PCI Express slots	PCI Express 3.0 (8 lanes): 11 slots
Redundant components	Power Supply Units (Dual Power Feed supported), Fans
Hot-swappable components	Power Supply Units, PCIe cards, Link Card in server (except for in Fujitsu M10-1), Fans
External Dimensions and Weight	
Height	86 mm (3.4 inches): 2U
Width	440 mm (17.3 inches)
Depth	750 mm (29.5 inches)
Weight	22kg (48.5 lb) excluding rack mount rails
Input power	
Voltage	AC 100-120 ±10%, AC 200-240 ±10%
Number of phase	Single phase
Frequency	50/60 Hz +2%, -4%
Inrush current	Lower than or equal to 40 A (Per 1 cable)
Leakage current	Lower than or equal to 3.5 mA (Per 1 cable)
Maximum power consumption	279W for AC 100-120 ±10%, 270W for AC 200-240 ±10%
Maximum apparent power	284VA for AC 100-120 ±10%, 276VA for AC 200-240 ±10%
Maximum heat output	1,005 kJ/h for AC 100-120 ±10%, 972 kJ/h for AC 200-240 ±10%
Ambient environment conditions	
Temperature (operating)	5°C to 35°C (41° F to 95° F)
Humidity (operating)	20% to 80% (Noncondensing)
Temperature (non-operating)	-25°C to 80°C (packed), -0°C to 50°C (unpacked)
Humidity (non-operating)	8% to 80% (Noncondensing)
Regulations	
Safety	UL 60950-1-2014
	CSA C22.2 No.60950-1-07 +A1:2011 +A2:2014
	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013
	IEC 60950-1:2005, 2nd edition +A1:2009 +A2:2013
	CB Scheme with all country deviations
	21 CFR 1040.10
	EN 60825-1
	EN 60825-2
	GOST IEC 60950-1-2011
RFI / EMC	EN 55032:2012
	VCCI (V-3)
	FCC Part-15 Subpart B:2014
	ICES-003 Issue 6
	AS/NZS CISPR 32:2013
	KN22
	GOST-R certification
	EN 61000-3-2:2014
	EN 61000-3-3:2013

	JIS C 61000-3-2 (2011)
Immunity	EN 55024:2010
	IEC 61000-4-2
	IEC 61000-4-3
	IEC 61000-4-4
	IEC 61000-4-5
	IEC 61000-4-6
	IEC 61000-4-8
	IEC 61000-4-11
	KN24
Telecommunications	EN 300 386 V1.6.1 (2012)

Warranty

Visit oracle.com/us/support/index.html for Oracle's global warranty support information on Oracle products.

Services

From design and implementation to support and management, Oracle provides an end-to-end portfolio of services designed to accelerate the alignment of IT infrastructure with business needs, optimize usage of IT assets, and contain costs. Oracle's expertise helps you address key data center challenges, including virtualization/consolidation, power, space and cooling optimization, planning and implementation, and ongoing maintenance and support. In addition, Oracle offers top-rated technical support for your PCI Expansion Unit. Visit oracle.com/us/support/index.html for information on Oracle's service program offerings for Oracle products.

Contact Us

For more information about the PCI Expansion Unit, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

Hardware and Software, Engineered to Work Together