

PCI Expansion Unit

The PCI Expansion Unit—an I/O expansion option for Oracle’s Fujitsu SPARC M12 and Fujitsu M10 family of servers—meets demands for applications requiring extensive scalability, mission-critical levels of availability, and seamless data center integration. The PCI Expansion Unit takes maximum advantage of the high I/O bandwidth of Fujitsu SPARC M12 and Fujitsu M10 servers.



Key Features

- Supports the Fujitsu SPARC M12 and Fujitsu M10 family of servers
- Provides 11 PCIe 3.0 slots in a small 2U form factor
- Powers on and off in synchronization with the power status of Fujitsu SPARC M12 and Fujitsu M10 servers
- Enables hot swapping of PCIe cards, power supplies, and fans
- Monitored and controlled from the XSCF System Monitoring Function of the Fujitsu SPARC M12 and Fujitsu M10 servers
- Configured with 1 + 1 power supply redundancy and supports a dual power feed configuration

PRODUCT OVERVIEW

Perfectly suited for Fujitsu SPARC servers, the PCI Expansion Unit offers significant I/O adapter expandability. One or more PCI Expansion Units can be connected to both Fujitsu SPARC M12 and Fujitsu M10 servers, providing connectivity of up to 11 additional PCI Express (PCIe) slots per PCI Expansion Unit in a space-saving rackmount chassis (2U). PCIe generation 3 is supported by the PCI Expansion Unit.

Easy Monitoring and Control from Fujitsu SPARC 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 SPARC servers. PCI Expansion Units power on and off in synchronization with the power status of Fujitsu SPARC 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 PCIe cards, power supplies, and fans support hot swapping.

PCI EXPANSION UNIT SPECIFICATIONS

KEY FEATURES

- PCIe 3.0 (8 lanes): 11 slots
- Redundant components: Power supply units (dual power feed supported) and fans
- Hot-swappable components: Power supply units, PCIe cards, link card in the server (except for in Fujitsu SPARC M12-1), and fans

POWER SUPPLIES

- Two hot-swappable AC redundant (1 + 1) power supplies
- Voltage 100 to 120 VAC, 200 to 240 VAC, frequency 50/60 Hz
- Maximum operating input current at 100/200 VAC: 2.9/1.4 A
- Maximum operating input power at 100/200 VAC: 279/270 W

ENVIRONMENT

Operating temperature:

- 5° C to 35° C (41° F to 95° F)

Nonoperating temperature:

- -25° C to 60° C (-13° F to 140° F) (packed)
- 0 to 50° C (32° F to 122° F) (nonpacked)

Operating relative humidity: 20% to 80% relative humidity, noncondensing

Nonoperating relative humidity: 8 to 80% relative humidity, noncondensing

REGULATIONS (MEETS OR EXCEEDS THE FOLLOWING REQUIREMENTS)

Safety:

- UL/CSA 60950-1, UL/CSA 62368-1, EN 60950-1, EN 62368-1, IEC 60950-1 CB scheme with all country differences, IEC 62368-1 CB scheme with all country differences

EMC:

- Emissions: FCC 47 CFR 15, ICES-003, EN 55032, KN32, VCCI V3, EN 61000-3-2, EN 61000-3-3, JIS C 61000-3-2
- Immunity: EN 55024, KN35

Certifications:

- North America Safety (NRTL), European Union (EU), International CB Scheme, RCM (Australia), KCC (Korea), VCCI (Japan), EAC (Eurasian CU)

European Union directives:

- Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU as amended, Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, WEEE Directive 2012/19/EU, and Eco design Directive 2009/125/EC

All standards and certifications referenced are to the latest official version. For additional detail, please contact your sales representative.

Other country regulations/certifications may apply.

DIMENSIONS AND WEIGHT

- Height: 86 mm (13.4 inches); 2U
- Width: 440 mm (17.3 inches)
- Depth: 750 mm (29.5 inches)
- Weight: 22 kg (49 lb.) excluding rackmount rails

WARRANTY

The PCI Expansion Unit comes with a one-year warranty. Visit oracle.com/us/support/policies/ for more information about Oracle's hardware warranty.

COMPLETE SUPPORT

With Oracle Premier Support, you will get the services you need to maximize the return on your investment in the PCI Expansion Unit. Complete system support includes 24/7 hardware service, expert technical support, proactive tools, and updates to Oracle Solaris, Oracle VM, and integrated software (such as firmware)—all for a single price. Learn more at oracle.com/support

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