

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
- Is monitored and controlled from the XSCF System Monitoring Function of the Fujitsu SPARC M12 and Fujitsu M10 servers
- Is 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

MAIN ITEM

- *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

- *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 power consumption at 100/200 VAC: 279/270 W*
- *Maximum apparent power at 100/200 VAC: 284/276 VA*
- *Maximum cooling input power at 100/200 VAC: 953/921 BTU/hour*

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, EN 60950-1, IEC 60950-1 CB Scheme with all country differences

EMC:

- *Emissions:* FCC 47 CFR 15, ICES-003, EN 55032, KN22, VCCI V3, EN 61000-3-2, EN 61000-3-3, JIS C 61000-3-2
- *Immunity:* EN 55024, KN24

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

European Union directives: Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU, 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 (3.4 inches); 2U
 - *Width:* 440 mm (17.3 inches)
 - *Depth:* 750 mm (29.5 inches)
 - *Weight:* 22 kg excluding rackmount rails
-

Warranty





The PCI Expansion Unit for Fujitsu SPARC M12 and Fujitsu M10 servers 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'll get the services you need to maximize the return on your investment in Fujitsu SPARC M12 and Fujitsu M10 servers. 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.



CONNECT WITH US

-  blogs.oracle.com/oracle
-  facebook.com/oracle
-  twitter.com/oracle
-  oracle.com

CONTACT US

For more information about [insert product name], visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Integrated Cloud Applications & Platform Services

Copyright © 2017, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.0816

