QuickSpecs

Overview

Models

HP FC2143 4Gb PCI-X 2.0 HBA	4Gb, PCI-X-to-Fibre Channel Host Bus Adapter for Windows and Linux. (Emulex LP1150)	AD167A
HP FC2243 Dual Channel 4Gb PCI-X 2.0 HBA	Dual Channel 4Gb, PCI-X-to-Fibre Channel Host Bus Adapter for Windows and Linux (Emulex LP11002)	AD168A
HP FC1143 4Gb PCI-X 2.0 HBA	4Gb, PCI-X-to-Fibre Channel Host Bus Adapter for Windows and Linux (Qlogic QLA2460)	AB429A
HP FC1243 Dual Channel 4Gb PCI-X 2.0 HBA	Dual Channel 4Gb, PCI-X-to-Fibre Channel Host Bus Adapter for Windows and Linux (Qlogic QLA2462)	AE369A

Product Description

The 4Gb PCI-X Fibre Channel Host Bus Adapter Family consists of single and dual channel Host Bus Adapters (HBAs) with an optical LC type connector. These HBAs are provided by Qlogic and Emulex and are qualified for ProLiant and Integrity platforms configured with the Enterprise Virtual Array 3000, 4000, 5000, 6000 and 8000, MSA1000, MSA1500, and XP array offerings.
For supported Fibre Channel SAN Switches, please consult the SAN Design Reference Guide at the following WEB address:
http://h18006.www1.hp.com/products/storageworks/san/documentation.html

Key Features

- 4Gb/s Fibre Channel link speed support
- PCI-X 2.0 mode 2, 266 MHz bus compatibility and extended high-availability support with ECC.
- Compatible with PCI 33/66 (3.3V signaling) and PCI-X 66/100/133 MHz slots
- Automatic speed negotiation with existing 1Gb/s and 2Gb/s Fibre Channel SANs
- Superior performance capable of sustaining up to 150,000 I/Os per second per channel
- 4-Gbps FC increases aggregate throughput rate to 1.6GBps in full-duplex mode
- Full fabric support with automatic topology and speed adaptation
- Full support for both FC service Class 2 and 3
- Support FC-Tape devices
- RoHS compliance
- HBAnyware from Emulex and Qlogic SANsurfer FC HBA Manager for centralized management and remote control of distributed HBAs

Benefits At a Glance

- Higher performance with lower price
- Supports the Windows and Linux operating environments
- Provides the flexibility and broad interoperability need for complex highly scalable SANs

Family Comparison Table

	FC2143	FC2243	FC1143	FC1243
Number of channels	Single	Dual	Single	Dual
Port Speed	4 Gb	4 Gb	4 Gb	4 Gb

Overview

Slot type supported	PCI-X 2.0 to Fibre Channel	PCI-X 2.0 to Fibre Channel	PCI-X 2.0 to Fibre Channel	PCI-X 2.0 to Fibre Channel
OS Supported	Microsoft Windows 2000	Microsoft Windows 2000	Microsoft Windows 2000	Microsoft Windows 2000
	Microsoft Windows Server 2003	Microsoft Windows Server 2003	Microsoft Windows Server 2003	Microsoft Windows Server 2003
	Microsoft Windows Server 2003 64-Bit Edition	Microsoft Windows Server 2003 64-Bit Edition		
	Microsoft Windows Server 2003 for 64-bit Extended Systems	Microsoft Windows Server 2003 for 64-bit Extended Systems	Microsoft Windows Server 2003 for 64-bit Extended Systems	Microsoft Windows Server 2003 for 64-bit Extended Systems
	Red Hat Enterprise Linux 3 (AMD64/EM64T)	Red Hat Enterprise Linux 3 (AMD64/EM64T)	Red Hat Enterprise Linux 3 (AMD64/EM64T)	Red Hat Enterprise Linux 3 (AMD64/EM64T)
	Red Hat Enterprise Linux 3 (x86)	Red Hat Enterprise Linux 3 (x86)	Red Hat Enterprise Linux 3 (x86)	Red Hat Enterprise Linux 3 (x86)
	Red Hat Enterprise Linux 4 (AMD64/EM64T)	Red Hat Enterprise Linux 4 (AMD64/EM64T)	Red Hat Enterprise Linux 4 (AMD64/EM64T)	Red Hat Enterprise Linux 4 (AMD64/EM64T)
	Red Hat Enterprise Linux 4 (Itanium)	Red Hat Enterprise Linux 4 (Itanium)		
	Red Hat Enterprise Linux 4 (x86)	Red Hat Enterprise Linux 4 (x86)	Red Hat Enterprise Linux 4 (x86)	Red Hat Enterprise Linux 4 (x86)
	SUSE LINUX Enterprise Server 8	SUSE LINUX Enterprise Server 8	SUSE LINUX Enterprise Server 8	SUSE LINUX Enterprise Server 8
	SUSE LINUX Enterprise Server 8 (AMD64)	SUSE LINUX Enterprise Server 8 (AMD64)	SUSE LINUX Enterprise Server 8 (AMD64)	SUSE LINUX Enterprise Server 8 (AMD64)
	SUSE LINUX Enterprise Server 9 (AMD64/EM64T)	SUSE LINUX Enterprise Server 9 (AMD64/EM64T)	SUSE LINUX Enterprise Server 9 (AMD64/EM64T)	SUSE LINUX Enterprise Server 9 (AMD64/EM64T)
	SUSE LINUX Enterprise Server 9 (Itanium)	SUSE LINUX Enterprise Server 9 (Itanium)		
	SUSE LINUX Enterprise Server 9 (x86)	SUSE LINUX Enterprise Server 9 (x86)	SUSE LINUX Enterprise Server 9 (x86)	SUSE LINUX Enterprise Server 9 (x86)
	VMware V2.5.4 and later V3.0 and later	VMware V2.5.4 and later V3.0 and later	VMware V2.5.4 and later V3.0 and later	VMware V2.5.4 and later V3.0 and later
Servers Supported	HP ProLiant platforms HP Integrity platforms	HP ProLiant platforms HP Integrity platforms	HP ProLiant platforms HP Integrity platforms	HP ProLiant platforms
Array Platforms Supported	EVA3000, EVA4x00, EVA5000, EVA6x00, EVA8x00, XP Disk Arrays, MSA1000, MSA1500	EVA3000, EVA4x00, EVA5000, EVA6x00, EVA8x00, XP Disk Arrays, MSA1000, MSA1500	EVA3000, EVA4x00, EVA5000, EVA6x00, EVA8x00, XP Disk Arrays, MSA1000, MSA1500	EVA3000, EVA4x00, EVA5000, EVA6x00, EVA8x00, XP Disk Arrays, MSA1000, MSA1500
Environmental - Operating Temperature	32° to 131° F (0° to 55° C)	32° to 131° F (0° to 55° C)	32° to 113° F (0° to 45° C)	32° to 113° F (0° to 45° C)

Overview

Environmental - Storage Temperature	-20° to 158° F (-4° to 70° C)	-20° to 158° F (-4° to 70° C)	-40° to 158° F	-40° to 158° F
Environmental - Relative Humidity - Operating	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing
Product Dimensions (HxW)	6.7 x 2.5 in (16.93 cm x 5.15 cm)	6.7 x 2.5 in (16.93 cm x 5.15 cm)	6.60 x 2.54 in (167.64mm x 64.4 mm)	6.60 x 2.54 in (167.64mm x 64.4 mm)
Media	Multi-mode Optic	Multi-mode Optic	Multi-mode Optic	Multi-mode Optic
Connector	Short wave laser with LC type connector	Short wave laser with LC type connector	Short wave laser with LC type connector	Short wave laser with LC type connector
Brackets	Shipped with both ½ height and full-height brackets	Shipped with both ½ height and full-height brackets	Shipped with both ½ height and full-height brackets	Shipped with both ½ height and full-height brackets

For additional technical specifications go to http://saw.cce.hp.com/km/saw/home.do (HP employees and partners only)

Warranty

3-0-0 Three-year parts exchange warranty. Additional Warranty protection can be purchased.
HP Global Services provides a three-year, limited warranty, fully supported by a worldwide network of resellers and service providers toll-free 7 x 24 hardware technical phone support for the duration of the warranty. In addition, available service offerings include a full range of HP Care Pack packaged hardware and software services.
NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

Service and Support, HP Care Pack and Warranty Information

Software Product Services	Stand-alone telephone support
	Rights to new license
	Media and documentation updates

Hardware Product Services	Installation services
	On-site maintenance (includes warranty support)
	Response time upgrades during the warranty period
	Post-warranty coverage
	RAID setup and performance consulting via statement of work
	For additional hardware installation and maintenance information, please refer to the URL listed below: http://www.hp.com/hps/hardware/

Warranty Upgrade Options	Response - Upgrade on-site response from next business day to same day 4 hours
	Coverage - Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days
	Duration - Select duration of coverage for a period of 1, 3, or 5 years
	Additional Warranty protection and/or HP Installation packages can be purchased.

HP Care Pack Information and Installation Services

Sample part numbers:

3 year, uplift to 5 x 9, Next Day Response	FM-**XHW-36
3 year, uplift to 5 x 9, 4-hour Response	FM-**4HR-36
3 year, uplift to 7 x 24, 4-hour Response	FM-**724-36
Hardware Installation	FM-**INS-IN

** Represents a two-digit, product-specific code

HP Care Pack is defined as an upgrade to the product warranty attribute, available for a specific duration and hours of coverage.

HP Care Pack is not available for less than the product's warranty duration.

HP Care Pack is available for sale anytime during the warranty period for most products, but the commencement date will be the same as the Warranty Start Date (delivery date to end user customer). Proof of purchase may be required.

HP Care Pack services are prepaid.

If ordering this HBA for a non-HP server, manually add package band 8D4 and Installation HA113A1 band 527. If ordering this HBA as an add-on to an existing HP server, manually add Installation HA113A1 band 527.

For additional HP Care Pack (hardware & software) information, as well as orderable part numbers, please refer to the URL http://www.hp.com/hps/carepack/
NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

Service and Support, HP Care Pack and Warranty Information