QuickSpecs

Overview

Models

	Description	Part Number
HP StorageWorks FC1142 4Gb PCI-E HBA	StorageWorks 4Gb, PCI-E-to-Fibre Channel Host Bus Adapter for Windows 2003, Windows Server 2003, and Linux. (Qlogic QLE2460)	AE311A
HP StorageWorks FC1242 Dual Channel 4Gb PCI-E HBA	StorageWorks Dual Channel 4Gb, PCI-E-to-Fibre Channel Host Bus Adapter for Windows 2003, Windows Server 2003, and Linux. (Qlogic QLE2462)	AE312A
HP StorageWorks FC2142 4Gb PCI-E HBA	StorageWorks 4Gb, PCI-E-to-Fibre Channel Host Bus Adapter for Windows 2003, Windows Server 2003, and Linux (Emulex LPe 1150)	A8002A
HP StorageWorks FC2242 Dual Channel 4Gb PCI-E HBA	StorageWorks Dual Channel 4Gb, PCI-E-to-Fibre Channel Host Bus Adapter for Windows 2003, Windows Server 2003, and Linux (Emulex PLe 11002)	A8003A

Product Description

The 4Gb PCI-E Fibre Channel Host Bus Adapter Family consists of single and dual channel Host Bus Adapters (HBAs) with an optical LC type connector.
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
- Automatic speed negotiation with existing 1Gb/s and 2Gb/s Fibre Channel SANs
- Superior performance capable of sustaining up to 100,000 I/Os per second per channel
- 4-Gbps FC increases aggregate throughput rate to 1.6GB/s 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
- Emulex HBAnyware™ and Qlogic SANsurferTM FC HBA Managers 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

Overview

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.

Software Product Services Standalone telephone support

Rights to new license version

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 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.

Technical Specifications

Family Comparison Table

	FC1142SR / AE311A	FC1242SR / AE312A	FC2142SR / A8002A	FC2242SR / A8003A	FC1143SR /	FC1243SR /
Number of channels	Single	Dual	Single	Dual		
Port Speed	4Gb	4Gb	4Gb	4Gb		
Slot type supported	PCI Express to Fibre Channel	PCI Express to Fibre Channel	PCI Express to Fibre Channel	PCI Express to Fibre Channel		
OS Supported	Windows 2003 Windows Server 2003 Linux	Windows 2003 Windows Server 2003 Linux	Windows 2003, Windows Server 2003, Linux	Windows 2003, Windows Server 2003, Linux		
Servers Supported	HP ProLiant platforms	HP ProLiant platforms	HP ProLiant platforms	HP ProLiant platforms		
Array Platforms Supported	EVA3000, EVA4000, EVA5000, EVA6000, EVA8000, XP Disk Arrays, MSA1000, MSA1500	EVA3000, EVA4000, EVA5000, EVA6000, EVA8000, XP Disk Arrays, MSA1000, MSA1500	EVA3000, EVA4000, EVA5000, EVA6000, EVA8000, XP Disk Arrays, MSA1000	EVA3000, EVA4000, EVA5000, EVA6000, EVA8000, XP Disk Arrays, MSA1000		
What's Included in the Box?						
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)		
Environmental - Storage Temperature	-20° to 158° F (-4° to 70° C)	-20° to 158° F (-4° to 70° C)	-4 ° to 158° F (-20° to 70° C)	-4 ° to 158° F (-20° to 70° C)		
Environmental - Relative Humidity - Operating	5% to 95% non-condensing	10% to 90% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing		
Product Dimensions (HxW)	6.7 x 2.5 in (16.93 cm x 5.15 cm)	6.60 x 2.54 in (167.64 x 64.4 mm)	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		