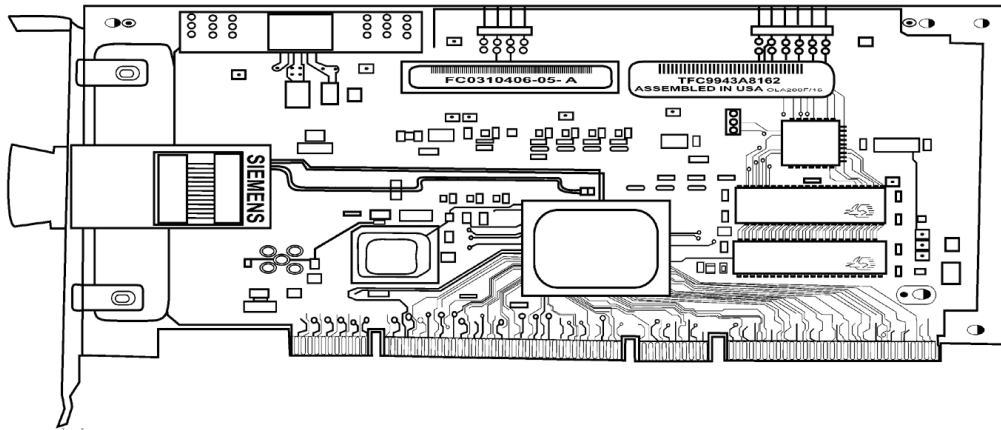


QuickSpecs

StorageWorks PCI-to-Fibre Channel Host Bus Adapter for Linux

Overview



Models

167433-B21
DS-SWLA4-PD

Product Description

- Compaq StorageWorks PCI-to-Fibre Channel Host Bus Adapter for Linux is a single channel, 64-bit/66-MHz PCI-to-Fibre Channel Host Bus Adapter (HBA) with an embedded multi-mode (short-wave) optical interface. It supports Private Loop Disk Attach and Fabric Loop Attach connections.
- Linux Alpha operating system support is Red Hat 7.0, 7.1; SuSE 6.3 and 7.0
- Linux Intel® operating system support is RedHat 7.0, 7.1; SuSE 6.3, 7.0; Caldera 2.3.1.
- This HBA is qualified for Linux platforms configured with Compaq StorageWorks MA6000, MA/RA8000, MA/ESA12000. It will replace the current Compaq StorageWorks PCI-to-Fibre Channel Host Bus Adapter for Linux (167432-001) which supports loop only.

Customer Benefits

Switch support for the Linux Market - Current HBA for Linux only supports loop (FC-AL)

Compatibility

It is available for Compaq ProLiant PCI server configurations and FWD SCSI-2 or UWD SCSI-3 tape drives and tape libraries.

Key Features

- 64-bit/66-MHz PCI (backwards compatible with 32-bit)
- Supports up to 200 MB/s Fibre Channel data transfer rates with Full Duplex
- FC-AL Private & Public Loop
- Fabric Attach via FL-Port & F-Port
- SCSI Support
- Class 2 and 3 Support
- SCSI Initiator Operation

QuickSpecs

StorageWorks PCI-to-Fibre Channel Host Bus Adapter for Linux

Product Highlights

Compatibility Testing	Supports connection to both hubs and switches that are connected to StorageWorks Modular Array and RAID Array storage subsystems.
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Manageability	SWCC
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Warranty	3/1/1
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QuickSpecs

StorageWorks PCI-to-Fibre Channel Host Bus Adapter for Linux

Service and Support, HP Care Pack and Warranty Information

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

** 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.

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.

Components

The following brick level options/components do not have individual HP Care Pack Services. These items will be included in product HP Care Pack Services into which they are installed.

Disk Drives	Tape Drives	CD/DVD ROM	SCSI Hubs in SBBs	Adapters
Bus Converters	Backplane RAID Controllers	Power Supplies	Cabling	Fans

QuickSpecs

StorageWorks PCI-to-Fibre Channel Host Bus Adapter for Linux

Technical Specifications

HBA Specifications

O/S Support	Red Hat 6.1, 6.2; SuSe 6.3, 6.4		
Environmental	Temperature	Operating	32° to 131° F (0° to 55° C)
		Non-operating	-4° to 158° F (-20° to 70° C)
	Relative Humidity	Operating	10% to 90% non-condensing
		Non-operating	5% to 95% non-condensing
Mechanical Specifications	Dimensions (HxWxD)	Product	0.5 x 6.88 x 4.2 in (1.27 x 17.5 x 10.7 cm)
		Shipping	2.25 x 10.25 x 7.5 in (5.7 x 26 x 19 cm)
	Weight	Product	0.75 lb/0.34 kg
	Shipping	1.5 lb/0.68 kg	
UPC Code	167433-B21	720591464608	
Connectivity	Host Interface	PCI 64-bit data, 64-bit addressing, 3.3 V signaling	
	Fibre Channel Interface	Optical short-wave, multi-mode, Non-OFC, 1062.5 Mb/s - SC connector	
	Compatible Cables & Distances	Multi-mode 50/125 micron fiber with SC connectors:	1062.5 Mb/s: 2m – 500m
		Multi-mode 62.5/125 micron fiber with SC connectors:	1062.5 Mb/s: 2m – 175m
Topology	Fibre Channel Arbitrated Loop, Fabric		
ANSI standards	FC PH, FC PH-2, FC PH-3, FC-AL, FC-AL-2, FCP-SCSI, FCP-IP, SCSI-2, SCSI-3, FC-PLDA, FC-FLA		
Electrical	Under normal operating conditions, the power characteristics of the adapter are as specified in the table below:		
	Specification	Value	
	Power Dissipation	15W Maximum	
	Current Requirement	3A Maximum	
	Input Voltage Requirement	5V ± 5%	

FC HBA Product Support Matrix

	RA4100	MA6000	RA8K/ESA12K	EBS
Tru64	*	168794-B21 (KGPSA-CA)	168794-B21 (KGPSA-CA)	168794-B21 (KGPSA-CA)
OpenVMS	*	168794-B21 (KGPSA-CA)	168794-B21 (KGPSA-CA)	*
Microsoft® Windows® NT® 4.0/W2K	120186-B21	176479-B21	176479-B21	120186-B21 & 176479-B21
Netware	120186-B21	120186-B21	120186-B21	120186-B21
Solaris (PCI)	*	380576-001 (PCI)	380576-001 (PCI)	380576-001 (PCI)
Solaris (SBus)	*	123503-001 (SBus)	123503-001 (SBus)	123503-001 (SBus)
Linux (X86)	120186-B21	167433-B21 (new)	167433-B21 (new)	*
Linux (Alpha)	*	DS-SWLA4-PD (new)	DS-SWLA4-PD (new)	*
	*	167433-B21 (new)	167433-B21 (new)	
SCO	120186-B21	*	*	*
AIX	*	149841-B21	149841-B21	*
HP-UX	*	*	*	*

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