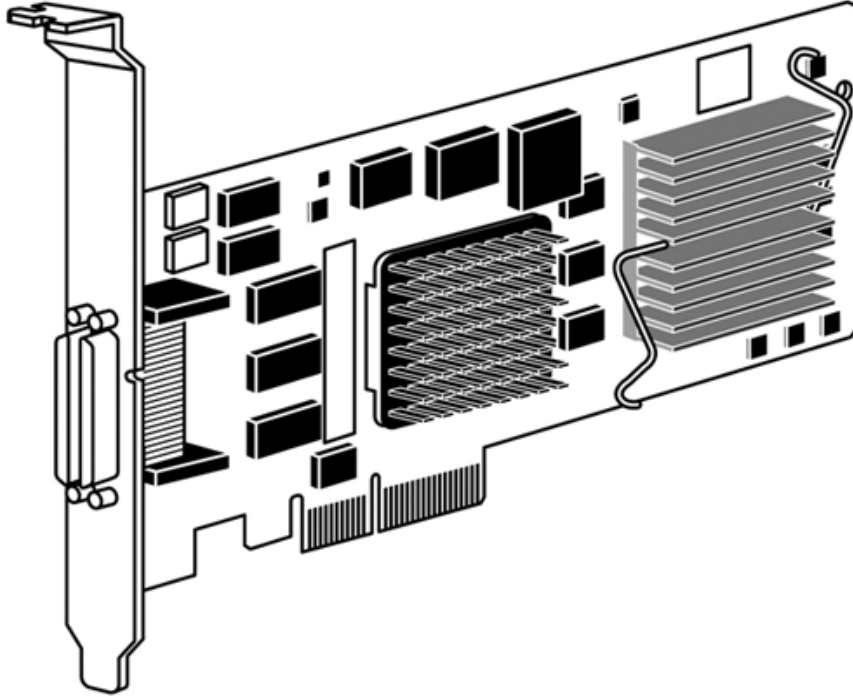


### Overview



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### Models

HP StorageWorks U320e SCSI Host Bus Adapter

AH627A

**NOTE:** Recommended [Dual Channel Ultra320 SCSI Controller](#) for connecting multi-drive MSL tape libraries to ProLiant servers.

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### Product Description

The HP StorageWorks U320e SCSI Host Bus Adapter provides customers with the flexibility and speed they have come to expect from HP. This HBA is ideal for HP MSL Tape Library customers needing to attach to ProLiant servers using the PCI-Express interface, and provides support for Ultra320 SCSI, Wide Ultra3 SCSI, and Wide Ultra2 SCSI protocols. It is the primary building block for SCSI backup solutions that provide the maximum of 320 MB/second bandwidth, twice the speed of previous-generation SCSI adapters.

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### Benefits At a Glance

#### Simplicity - Certified

Compatible with the newest generation ProLiant servers, the HP SC320e SCSI Host Bus Adapter is the easy choice for connecting HP MSL tape libraries to HP ProLiant servers.

#### Agility - Throughput

With PCI-Express technology, the HP SC320e SCSI Host Bus Adapter has faster throughput when compared to SCSI HBAs utilizing PCI-X technology.

#### Value - Backwards compatible

The HP SC320e SCSI Host Bus Adapter is an Ultra320 SCSI controller with backwards compatibility to Ultra3 SCSI and Ultra2 SCSI

### Standard Features

#### Performance

The HP U320e Host Bus Adapter provides two Ultra320 SCSI ports while only taking up a single PCI Express slot. The adapter delivers exceptional system performance, utilizing dual Ultra320 SCSI channels that provide x4 PCI-e capabilities, transferring data up to 320 MB/s between the tape library and system memory.

**HP Integration** Fully integrated and tested with ProLiant 100 series servers, ProLiant 300 series servers, ProLiant 500 series servers and MSL Tape Libraries

**Tagged Command Queuing** Improves performance by accepting commands simultaneously, sorting efficiently and minimizing response time

**Suggested Solutions** The HP U320e SCSI Host Bus Adapter is an ideal solution for connecting HP MSL Tape Libraries to ProLiant servers

#### Compatibility

Fully integrated and tested with selected HP ProLiant servers and HP MSL Tape Libraries.

**HP ProLiant DL** (rack-maximized)

- ProLiant DL140 G3
- ProLiant DL145 G3
- ProLiant DL320s
- ProLiant DL320 G5
- ProLiant DL360 G5
- ProLiant DL365
- ProLiant DL380 G5
- ProLiant DL385 G2
- ProLiant DL580 G4
- ProLiant DL585 G2

**HP ProLiant ML** (expansion-optimized)

- ProLiant ML110 G4
- ProLiant ML150 G3
- ProLiant ML310 G4
- ProLiant ML350 G5
- ProLiant ML370 G5
- ProLiant ML570 G4

**NOTE:** This is a list of supported servers. Some may be discontinued.

#### Option Kit Contents

- HBA
- Documentation and drivers CD
- RTF Card
- Low profile bracket

#### Warranty

**Maximum** One-year parts only warranty.

**NOTE:** Certain restrictions and exclusions apply. Consult the Customer Support Center at 1-800-345-1518 for details.

### Options

#### Tape Libraries

##### HP StorageWorks MSL2024 Tape Libraries

HP StorageWorks MSL2024 1 LTO-4 Ultrium 1840 SCSI Drive Library	AJ033A
HP StorageWorks MSL2024 1 LTO-3 Ultrium 960 SCSI Drive Library	AG115A
HP StorageWorks MSL2024 1 LTO-3 Ultrium 920 SCSI Drive Library	AH169A
HP StorageWorks MSL2024 2 LTO-3 Ultrium 920 SCSI Drive Library	AH170A
HP StorageWorks MSL2024 1 LTO-2 Ultrium 448 SCSI Drive Library	AG116A

##### HP StorageWorks MSL4048 Tape Libraries

HP StorageWorks MSL4048 1 LTO-4 Ultrium 1840 SCSI Drive Library	AJ035A
HP StorageWorks MSL4048 2 LTO-4 Ultrium 1840 SCSI Drive Library	AJ037A
HP StorageWorks MSL4048 2 LTO-3 Ultrium 960 SCSI Drive Library	AG323A
HP StorageWorks MSL4048 1 LTO-3 Ultrium 920 SCSI Drive Library	AH171A
HP StorageWorks MSL4048 2 LTO-3 Ultrium 920 SCSI Drive Library	AH172A

##### HP StorageWorks MSL8096 Tape Library

HP StorageWorks MSL8096 2 LTO-4 Ultrium 1840 SCSI Drive Library	AJ039A
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##### HP StorageWorks MSL6000 Tape Libraries

HP StorageWorks MSL6030 1 LTO-4 Ultrium 1840 SCSI Drive Library	AJ029A
HP StorageWorks MSL6060 2 LTO-4 Ultrium 1840 SCSI Drive Library	AJ031A
HP StorageWorks MSL6060 2 LTO-3 Ultrium 960 SCSI Drive Library	AD610B
HP StorageWorks MSL6030 1 LTO-3 Ultrium 960 SCSI Drive Library	AD606B
HP StorageWorks MSL6030 2 LTO-3 Ultrium 960 SCSI Drive Library	AD607B

**NOTE:** Please reference the [MSL2024](http://www.hp.com/go/automation), [MSL4048](http://www.hp.com/go/automation), [MSL6000](http://www.hp.com/go/automation) and [MSL8096](http://www.hp.com/go/automation) Tape Library QuickSpecs at <http://www.hp.com/go/automation> for additional information needed to create a complete solution; reference current compatibility information at <http://www.hp.com/go/ebs>.

#### External Cables

6 ft VHDCI/VHDCI SCSI Cable Kit	341174-B21
12 ft VHDCI/VHDCI SCSI Cable Kit	341175-B21
6 ft VHDCI/HDTS68 SCSI Cable Kit	341176-B21
12 ft VHDCI/HDTS68 SCSI Cable Kit	341177-B21

### Technical Specifications

<b>SCSI Protocols</b>	Ultra320 Wide Ultra3 SCSI (Ultra160) Wide Ultra2 SCSI
<b>Electrical Protocol</b>	Low Voltage Differential (LVD)
<b>Data Transfer Method</b>	x4 PCI-e
<b>Maximum SCSI Transfer Rate</b>	320 MB/s per channel
<b>Operating System Support</b>	Windows Server 2003 Windows Server 2003 x64 Edition Red Hat Enterprise Linux 3 ES (x86 and EM64T) Red Hat Enterprise Linux 4 ES (x86 and EM64T) SLES 9 (x86 and EM64T) SLES 10 (x86 and EM64T)
<b>External SCSI Connectors</b>	Two 68-Pin VHDCI connector.
<b>Dimensions</b>	Length: 6.6 Height: 2.713"
<b>Power</b>	0.55 typical/0.9 max. Amps @ +3.3 VDC 0.56 typical/0.59 max. Amps @ +12.0 VDC

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For hard drives, 1 GB = 1 billion bytes. Actual formatted capacity is less.