

Overview

Models

64-Bit/66-MHz Dual Channel Alt OS Wide Ultra3 SCSI Adapter

284688-B21

Flexible 64-bit/66-MHz single and dual channel PCI SCSI adapters provide support for up to 28 SCSI devices with data transfer rates up to 160 MB/s per second.

Performance

Designed as to be as flexible as HP's legendary servers, the HP StorageWorks SCSI adapter family provides support for up to 28 SCSI devices, while only taking up a single PCI slot. HP adapters deliver exceptional system performance, along with up to two separate Wide Ultra3 SCSI channels that each provide up to 64-bit/66-MHz bus-master capabilities, transferring data as fast as 160 MB/s between storage subsystem and system memory.

HP Server Integration: Fully integrated and tested with the entire line of ProLiant servers and management software.

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

Suggested Solutions: HP's dual channel adapters are ideal for high-end tape drives, tape automation and disk storage solutions such as the Ultrium 460 & 230 tape drives, SDLT 320 & 220 tape drives, both ESL and MSL Series Libraries, and the StorageWorks 43xx Enclosure.

Fault Tolerance

Supports software-based fault tolerant configurations available under Microsoft® Windows® NT® and NetWare

Compatibility

Available for all HP PCI server configurations and compatible with a variety of SCSI devices, including hard drives, CD-ROM drives and tape drives.

Option Kit Contents

Adapter
Installation Guide
Warranty Card
Support Software CD

Warranty

Maximum: The remaining warranty of the HP product in which it is installed (to a maximum three-year limited warranty)

Minimum: One-year, on-site limited warranty

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

Options

(NOTE: This is a list of supported options – some may be discontinued.)

Hard Drives

NOTE: For complete compatibility information, refer to the HP SCSI Hard Drive Compatibility table located at <http://www.hp.com/servers/hdd-documentation>.

Ultra320 Universal Drives – Hot Plug

36.4GB 10,000 rpm, U320 Universal Hard Drive, 1"	286713-B22
72.8GB 10,000 rpm, U320 Universal Hard Drive, 1"	286714-B22
146.8GB 10,000 rpm, U320 Universal Hard Drive, 1"	286716-B22
18.2GB 15,000 rpm, U320 Universal Hard Drive, 1"	286775-B22
36.4GB 15,000 rpm, U320 Universal Hard Drive, 1"	286776-B22
72.8GB 15,000 rpm, U320 Universal Hard Drive, 1"	286778-B22

Ultra3 Drives – Non Hot Plug

36.4-GB Ultra320 SCSI 10,000 rpm Drive (1")	271832-B21
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Wide Ultra3 SCSI Universal Drives – Hot Plug

36.4-GB Wide Ultra3 SCSI 15,000 rpm Drive (1")	232916-B22
18.2-GB Wide Ultra3 SCSI 15,000 rpm Drive (1")	188122-B22
72.8-GB Wide Ultra3 SCSI 10,000 rpm Drive (1")	232432-B22
36.4-GB Wide Ultra3 SCSI 10,000 rpm Drive (1")	176496-B22
18.2-GB Wide Ultra3 SCSI 10,000 rpm Drive (1")	142673-B22

Tape Automation

SSL1016 Tape Autoloaders

SSL1016 SDLT160/320 Tape Autoloader	330816-B21
SSL1016 DLT1 Tape Autoloader	330815-B21

1/8 Autoloader

DLT vs80 Tape Autoloader 1/8	C9264CB
Ultrium 230 Tape Autoloader 1/8	C9572CB

DAT Autoloader

20/40 DAT 8 Cassette Tape Autoloader, Internal (Opal)	166504-B21
20/40 DAT 8 Cassette Tape Autoloader External (Opal)	166505-001

StorageWorks MSL6000 System Library

MSL6060 Libraries (Ultrium 460 drives)

MSL6060L1, 0 DRV Ultrium 460 RM Library	331196-B23
MSL6060L1, 2 DRV Ultrium 460 RM Library	331195-B21
MSL6060L1, 2 DRV Ultrium 460 TT Library	331196-B21
MSL6060L1FC, 2 DRV Ultrium 460 embedded Fibre RM Library	331196-B22

MSL6030 Libraries (Ultrium 460 drives)

MSL6030, 0 DRV, RM Library	330731-B21
MSL6030, 1 DRV, LTO Ultrium 460, RM Library	330731-B22
MSL6030, 2 DRV, LTO Ultrium 460, RM Library	330731-B23
MSL6030, 1 DRV, LTO Ultrium 460, embedded Fibre, RM Library	330731-B24
MSL 6030, 2 DRV, LTO Ultrium 460, embedded Fibre, RM Library	330731-B25
MSL6030, 1 DRV, LTO Ultrium 460, TT Library	330788-B21
MSL6030, 2 DRV, LTO Ultrium 460, TT Library	330788-B22

StorageWorks MSL5000 System Library

MSL5060 Libraries (Ultrium 230 drives)

MSL5060L1, 0 DRV LTO1 RM Library	301899-B21
MSL5060L1, 2 DRV LTO1 RM Library	301899-B22
MSL5060L1FC, 2 DRV LTO1 RM-with integrated FC router	301899-B23
MSL5060L1, 2 DRV LTO1 TT Library	301900-B21

Options

MSL5052S2 Libraries (SDLT320 drives)

MSL5052, RM 0 DRV SDLT ALL	255102-B21
MSL5052S2, 2 DRV SDLT320 RM LIB	293474-B21
MSL5052S2FC 2 DRV SDLT320 RM- with integrated FC router	293474-B24
MSL5052S2, 2 DRV SDLT320 TT LIB	293476-B21

MSL5052SL Library (SDLT220 drives)

MSL5052SL Library, SDLT 110/220, 2 Drive, LVD, Rackmount	249491-B21
MSL5052SL, 2 DRV SDLT110/220 TT LIB	249490-B21

MSL6030 Libraries (Ultrium 460 drives)

MSL6030, 0 DRV, RM Library	330731-B21
MSL6030, 1 DRV, LTO Ultrium 460, RM Library	330731-B22
MSL6030, 2 DRV, LTO Ultrium 460, RM Library	330731-B23
MSL6030, 1 DRV, LTO Ultrium 460, embedded Fibre, RM Library	330731-B24
MSL 6030, 2 DRV, LTO Ultrium 460, embedded Fibre, RM Library	330731-B25

MSL5030 Libraries (Ultrium 230 drives)

MSL5030L1, Rackmount, 0 Drive Library	301897-B21
MSL5030L1, Rackmount, 1 Drive, LTO1 Library	301897-B22
MSL5030L1, Rackmount, 2 Drives, LTO1 Library	301897-B23
MSL5030L1FC, Rackmount, 1 Drive, LTO1 Library	301897-B24
MSL5030L1FC, Rackmount, 2 Drives, LTO1 Library	301897-B25

MSL5026DLX Libraries (DLT8000 drives)

MSL5026DLX, 1 40/80GB DLT, LVD, TT	231821-B21
MSL5026DLX, 2 40/80GB DLT, LVD, TT	231821-B22
MSL5026DLX, 1 40/80GB DLT, LVD, RM	231891-B21
MSL5026DLX, 2 40/80GB DLT, LVD, RM	231891-B22

MSL5026S2 Libraries (SDLT320 drives)

MSL5026S2, 0 DRV SDLT2 RM Library	293472-B21
MSL5026S2, 1 DRV SDLT2 RM Library	293472-B22
MSL5026S2, 2 DRV SDLT2 RM Library	293472-B23
MSL5026S2FC, 1 DRV SDLT2 RM- with integrated FC router	293472-B24
MSL5026S2FC, 2 DRV SDLT2 RM- with integrated FC router	293472-B25
MSL5026S2, 1 DRV SDLT2 TT Library	293473-B21
MSL5026S2, 2 DRV SDLT2 TT Library	293473-B22

MSL5026SL Libraries (SDLT220 drives)

MSL5026SL, 1 DRV SDLT RM, graphite	302512-B21
MSL5026SL, 2 DRV SDLT RM, graphite	302512-B22
MSL5026SL, 1 DRV SDLT TT, graphite	302511-B21
MSL5026SL, 2 DRV SDLT TT, graphite	302511-B22

StorageWorks Enterprise 9000 System Library

ESL9322L1 Ultrium Libraries

ESL9322, 222 slots, zero drives	330832-B21
ESL9322L1 222 slot 2 DRV LTO1 (Discontinued 09-30-03)	301927-B22
ESL9322L1 222 slot 8 DRV LTO1 (Discontinued 09-30-03)	301927-B28
ESL9322L1 322 slot 2 DRV LTO1 (Discontinued 09-30-03)	301928-B22
ESL9322L1 322 slot 8 DRV LTO1 (Discontinued 09-30-03)	301928-B28

ESL9322 Libraries

ESL9322, 222 slots, zero drives	330832-B21
ESL9322S2, 222 slot, 2 Drives, SDLT2 (Discontinued 09-30-03)	293409-B22

Options

ESL9322S2, 222 slot, 8 Drives, SDLT2 (Discontinued 09-30-03)	293409-B28
ESL9322S2, 322 slot, 2 Drives, SDLT2 (Discontinued 09-30-03)	293410-B22
ESL9322S2, 322 slot, 8 Drives, SDLT2 (Discontinued 09-30-03)	293410-B28
ESL9326 Libraries	
ESL9326DX, 0 Drive Unit (Discontinued 03/30/02)	146205-B21
ESL9326DX Enterprise Library, 6 40/80-GB Drives (Discontinued 03/30/02)	161265-B23
ESL9326DX Enterprise Library, 8 40/80-GB Drives (Discontinued 03/30/02)	161265-B24
ESL9326DX Enterprise Library, 10 40/80-GB Drives (Discontinued 09/30/01)	161265-B25
ESL9326DX Enterprise Library, 12 40/80-GB Drives (Discontinued 09/30/01)	161265-B26
ESL9326DX Enterprise Library, 14 40/80-GB Drives (Discontinued 08/30/01)	161265-B27
ESL9326DX Enterprise Library, 16 40/80-GB Drives (Discontinued 03/30/02)	161265-B28
ESL9326SL Enterprise Library LVD 0 Drives (Discontinued 07/30/02)	234488-B21
ESL9326SL LVD 6 110/220 DDLT Drives (Discontinued 07/30/02)	234615-B21
ESL9326SL LVD 8 110/220 DDLT Drives (Discontinued 07/30/02)	234615-B22
ESL9326SL LVD 16 110/220 DDLT Drives (Discontinued 07/30/02)	234615-B26
ESL9198 Libraries	
ESL9198 Enterprise Library LVD 0 Drives (Discontinued 12/30/02)	234615-B26
ESL9198DLX Enterprise Library, 2 40/80 DLT Drives (Discontinued 03/31/01)	194993-B22
ESL9198DLX Enterprise Library, 4 40/80 DLT Drives (Discontinued 03/30/02)	194993-B24
ESL9198DLX Enterprise Library, 8 40/80 DLT Drives (Discontinued 03/30/02)	194993-B28
ESL9198SL Enterprise Library, LVD 4 110/220 SDLT Drives (Discontinued 12/30/02)	234618-B21
ESL9198SL Enterprise Library, LVD 8 110/22 SDLT Drives (Discontinued 12/30/02)	234618-B22
ESL9595 Libraries	
ESL9595 400 slot, zero drives	330833-B21
ESL9595SL Enterprise Library, 400 slot, 2 Drive (Discontinued 04-30-03)	274672-B22
ESL9595SL Enterprise Library, 400 slot, 16 Drive (Discontinued 04-30-03)	274672-B28
ESL9595SL Enterprise Library, 500 slot, 2 Drive (Discontinued 04-30-03)	281627-B22
ESL9595SL Enterprise Library, 500 slot, 16 Drive (Discontinued 04-30-03)	281627-B28
ESL9595SL Enterprise Library, 595 slot, 2 Drive (Discontinued 04-30-03)	281628-B22
ESL9595SL Enterprise Library, 595 slot, 16 Drive (Discontinued 04-30-03)	281628-B28
ESL9595S2, 400 slot, 2 Drives, SDLT2 (Discontinued 09-30-03)	293411-B22
ESL9595S2, 400 slot, 16 Drives, SDLT2, (Discontinued 09-30-03)	293411-B28
ESL9595S2, 500 slot, 2 Drives, SDLT2, (Discontinued 09-30-03)	293412-B22
ESL9595S2, 500 slot, 16 Drives, SDLT2, (Discontinued 09-30-03)	293412-B28
ESL9595S2, 595 slot, 2 Drives, SDLT2, (Discontinued 09-30-03)	293413-B22
ESL9595S2, 595 slot, 16 Drives, SDLT2, (Discontinued 09-30-03)	293413-B28
ESL9595 LTO Libraries	
ESL9595 400 slot, zero drives	330833-B21
ESL9595L1, 400 slot, 2 Drives, LTO1 (Discontinued 09-30-03)	301929-B22
ESL9595L1, 400 slot, 16 Drives, LTO1 (Discontinued 09-30-03)	301929-B28
ESL9595L1, 500 slot, 2 Drives, LTO1 (Discontinued 09-30-03)	301931-B22
ESL9595L1, 500 slot, 16 Drives, LTO1 (Discontinued 09-30-03)	301931-B28
ESL9595L1, 595 slot, 2 Drives, LTO1 (Discontinued 09-30-03)	301932-B22
ESL9595L1, 595 slot, 16 Drives, LTO1 (Discontinued 09-30-03)	301932-B28

Tape Drives

Internal and External DAT Tape Drives

HP StorageWorks DAT 12/24 Tape Drive, Internal (Opal)	295513-B22
HP StorageWorks DAT 20/40 Tape Drive, Internal (Carbon)	157769-B22



Options

HP StorageWorks DAT 20/40 Tape Drive, External (Carbon)	157770-002
HP StorageWorks DAT 20/40 Tape Drive, Hot Plug (Carbon)	215488-B21
HP StorageWorks DAT 72 Tape Drive for ProLiant, Internal (Carbon)	Q1525A
HP StorageWorks DAT 72 Tape Drive for ProLiant, External (Carbon)	Q1527A
Internal and External LTO Ultrium Tape Drives	
HP StorageWorks Ultrium 230 Tape Drive for ProLiant, Internal (Carbon)	Q1515A
HP StorageWorks Ultrium 230 Tape Drive for ProLiant, External (Carbon)	Q1516A
HP StorageWorks Ultrium 460 Tape Drive for ProLiant, Internal (Carbon)	Q1518A
HP StorageWorks Ultrium 460 Tape Drive for ProLiant, External (Carbon)	Q1519A
Internal and External DLT/SDLT Tape Drives	
HP StorageWorks DLT 40/80 Tape Drive, Internal (Carbon)	146196-B22
HP StorageWorks DLT 40/80 Tape Drive, External (Carbon)	146197-B23
HP StorageWorks DLT 40/80 Tape Drive, 3U Rackmount (Single Drive)	274332-B21
HP StorageWorks DLT 40/80 Tape Drive, 3U Rackmount (Two Drives)	274335-B21
HP StorageWorks DLT 40/80 Tape Drive, 5U Rackmount (Four Drives)	274337-B21
HP StorageWorks DLT VS 40/80 Tape Drive, Internal (Carbon)	280129-B21
HP StorageWorks DLT VS 40/80 Tape Drive, External (Carbon)	280129-B22
HP StorageWorks SDLT 110/220 Tape Drive, Internal (Carbon)	192106-B25
HP StorageWorks SDLT 110/220 Tape Drive, External (Carbon)	192103-002
HP StorageWorks SDLT 110/220, 3U Rackmount (Single Drive)	274331-B21
HP StorageWorks SDLT 110/220, 3U Rackmount (Two Drives)	274334-B21
HP StorageWorks SDLT 110/220, 5U Rackmount (Four Drives)	274336-B21
HP StorageWorks SDLT 160/320 Tape Drive, Internal (Carbon)	257319-B21
HP StorageWorks SDLT 160/320 Tape Drive, External (Carbon)	257319-001
Internal and External AIT Tape Drives	
HP StorageWorks AIT 35 Tape Drive, LVD Internal (Carbon)	295513-B22
HP StorageWorks AIT 35 Tape Drive, LVD External (Carbon)	157769-B22
HP StorageWorks AIT 35 Tape Drive, LVD Hot Plug (Carbon)	157770-002
HP StorageWorks AIT 50 Tape Drive, Internal (Carbon)	215488-B21
HP StorageWorks AIT 50 Tape Drive, External (Carbon)	Q1525A
HP StorageWorks DAT 72 Tape Drive for ProLiant, External (Carbon)	Q1527A
Internal and External LTO Ultrium Tape Drives	
HP StorageWorks Ultrium 230 Tape Drive for ProLiant, Internal (Carbon)	Q1515A
HP StorageWorks Ultrium 230 Tape Drive for ProLiant, External (Carbon)	Q1516A
HP StorageWorks Ultrium 460 Tape Drive for ProLiant, Internal (Carbon)	Q1518A
HP StorageWorks Ultrium 460 Tape Drive for ProLiant, External (Carbon)	Q1519A
Internal and External DLT/SDLT Tape Drives	
HP StorageWorks DLT 40/80 Tape Drive, Internal (Carbon)	146196-B22
HP StorageWorks DLT 40/80 Tape Drive, External (Carbon)	146197-B23
HP StorageWorks DLT 40/80 Tape Drive, 3U Rackmount (Single Drive)	274332-B21
HP StorageWorks DLT 40/80 Tape Drive, 3U Rackmount (Two Drives)	274335-B21
HP StorageWorks DLT 40/80 Tape Drive, 5U Rackmount (Four Drives)	274337-B21
HP StorageWorks DLT VS 40/80 Tape Drive, Internal (Carbon)	280129-B21
HP StorageWorks DLT VS 40/80 Tape Drive, External (Carbon)	280129-B22
HP StorageWorks SDLT 110/220 Tape Drive, Internal (Carbon)	192106-B25
HP StorageWorks SDLT 110/220 Tape Drive, External (Carbon)	192103-002
HP StorageWorks SDLT 110/220, 3U Rackmount (Single Drive)	274331-B21
HP StorageWorks SDLT 110/220, 3U Rackmount (Two Drives)	274334-B21

Options

HP StorageWorks SDLT 110/220, 5U Rackmount (Four Drives)	274336-B21
HP StorageWorks SDLT 160/320 Tape Drive, Internal (Carbon)	257319-B21
HP StorageWorks SDLT 160/320 Tape Drive, External (Carbon)	257319-001
Internal and External AIT Tape Drives	
HP StorageWorks AIT 35 Tape Drive, LVD Internal (Carbon)	216884-B21
HP StorageWorks AIT 35 Tape Drive, LVD External (Carbon)	216885-001
HP StorageWorks AIT 35 Tape Drive, LVD Hot Plug (Carbon)	216886-B21
HP StorageWorks AIT 50 Tape Drive, Internal (Carbon)	157766-B22
HP StorageWorks AIT 50 Tape Drive, External (Carbon)	157767-002
HP StorageWorks AIT 100 Tape Drive, Internal (Carbon)	249189-B21
HP StorageWorks AIT 100 Tape Drive, External (Carbon)	249160-001
HP StorageWorks AIT 100 Tape Drive, Hot-Plug (Carbon)	249161-B21

Hot Plug Tape Drives	HP StorageWorks DAT 20/40 Tape Drive, Hot Plug (Carbon)	215488-B21
	HP StorageWorks AIT 35 Tape Drive, LVD, Hot Plug (Carbon)	216886-B21
	HP StorageWorks AIT 50 Tape Drive, Hot Plug (Carbon)	215487-B21
	HP StorageWorks AIT 100 Tape Drive, Hot Plug (Carbon)	249161-B21

Rackmount Tape Drive Kits	HP StorageWorks 3U Rackmount Kit	274338-B21
	<p>NOTE: The 3U Rackmount Kit (PN 274338-B21) can support up to (2) full-height or (4) half-height tape drives and compatible with multiple Single-Ended and LVD SCSI tape drives including the DAT 12/24, DAT 20/40, 20/40 DAT 8 Cassette Autoloader, AIT 35, AIT 50, DLT 20/40, DLT VS 40/80, DLT 40/80, SDLT 110/220, SDLT 160/320, Ultrium 230 and Ultrium 460 tape drives.</p>	
	HP StorageWorks 5U Rackmount Kit	274339-B21
	<p>NOTE: The 5U Rackmount Kit (PN 274339-B21) can support up to (4) full-height tape drives and is compatible with all HP DLT/SDLT tape drives including the DLT 20/40, DLT 35/70, DLT 40/80, SDLT 110/220, SDLT 160/320, Ultrium 230 and Ultrium 460 tape drives.</p>	
	Tape Storage Enclosure Cable Kits	
	LVD Cable Kit, VHDCI/HD68	168048-B21
	NOTE: For use with the 3U Rackmount Kit and 5U Rackmount Kit only.	
	LVD Cable Kit, HD68/HD68	242381-B21
	NOTE: For use with the 3U Rackmount Kit and 5U Rackmount Kit only.	

Options

Tape Media	HP DDS-1 data cartridge, 4GB	C5706A	
	HP DDS-2 data cartridge, 8GB	C5707A	
	HP DDS-3 data cartridge, 24GB	C5708A	
	HP DDS-4 data cartridge, 40GB	C5718A	
	HP DAT 72 data cartridge, 72GB	C8010A	
	HP DDS cleaning cartridge	C5709A	
	HP Ultrium 400GB data cartridge	C7972A	
	HP Ultrium 200GB data cartridge	C7971A	
	HP Ultrium universal cleaning cartridge	C7978A	
	HP Ultrium 400GB bar code label pack	Q2002A	
	HP Ultrium 200GB bar code label pack	Q2001A	
	HP DLT IIIXT data cartridge	C5141A	
	HP DLT IV data cartridge, 40/70/80GB	C5141F	
	HP DLT cleaning cartridge	C5142A	
	HP DLT vs cleaning cartridge	C7998A	
	HP DLTIV bar code label pack	Q2004A	
	HP SDLT tape I data cartridge, 220-320GB	C7980A	
	HP SDLT cleaning cartridge	C7982A	
	HP SDLT bar code label pack	Q2003A	
	HP AIT-1 70GB data cartridge	Q1997A	
	HP AIT-2 100GB data cartridge	Q1987A	
	HP AIT-3 200GB data cartridge	Q1999A	
	HP AIT cleaning cartridge	Q1996A	
	HP AIT bar code label packs	Q2005A	
	External Cables	VHDCI (Very High Density Cable Interconnect) to Wide, 6 foot (1.83 meter)	295644-B21
		VHDCI to Wide, 12 foot (3.66 meter) for racks	295645-B21
VHDCI to Narrow, 6 foot (1.83 meter)		295646-B21	
VHDCI to Narrow, 12 foot (3.66 meter) for racks		295647-B21	
Internal Cables	LVD cable (Ultra2 or Ultra3)	166389-B21	

Options

External Storage Systems	StorageWorks Enclosure Model 4314T (tower)	190210-001
	StorageWorks Enclosure Model 4314R (rack-mountable)	190209-001
	StorageWorks Enclosure Model 4354R (rack-mountable)	190211-001
	StorageWorks Enclosure Model 4214R (rack mountable)	103381-001
	StorageWorks Enclosure Model 4214T (tower)	124875-001
	ProLiant Storage System Model F1 (Single Bus, Tower)	272900-001
	ProLiant Storage System Model F2 (Dual Bus, Tower)	272900-002
	ProLiant Storage System Model F1 (Single Bus, Rack)	272800-001
	ProLiant Storage System Model F2 (Dual Bus, Rack)	272800-002
	ProLiant Storage System Model UE (Single Bus, Tower)	348710-002
	ProLiant Storage System Model U1 (Single Bus, Tower)	304110-B21
	ProLiant Storage System Model U2 (Dual Bus, Tower)	304110-B22
	ProLiant Storage System Model UE (Single Bus, Rack)	348700-001
	ProLiant Storage System Model U1 (Single Bus, Rack)	304100-B21
	ProLiant Storage System Model U2 (Dual Bus, Rack)	304100-B22

NOTE: Ultra3 LVD SCSI adapters must be used with Ultra3 LVD SCSI capable HDDs, cables, drivers and servers/workstations. Ultra3 LVD SCSI operation is only supported for drives internally mounted in the server. Ultra3 LVD SCSI is not supported for external storage systems. HP adapters will default to Wide Ultra2 SCSI for external storage subsystems.

Compatibility

Servers

All currently shipping ProLiant servers

Technical Specifications

64-Bit/66-MHz Dual Channel Alt OS Wide Ultra3 SCSI Adapter

SCSI Protocols	Wide Ultra3 SCSI Wide Ultra2 SCSI Wide-Ultra SCSI-3 Fast-Wide SCSI-2 Fast SCSI-2
Electrical Protocol	Low Voltage Differential (LVD)
Drives Supported	Up to 28 (14 per channel)
Storage Capacity	Up to 509.6 GB
Data Transfer Method	64-Bit/66-MHz PCI bus-master
Maximum Host Bus Transfer Rate	532 MB/s per channel
Maximum SCSI Transfer Rate	160 MB/s per channel
Operating System Support	OpenUNIX Solaris OS/2 Novell NetWare 3.2, 4.2, 5 Unixware 2.x, 7.x
External SCSI Connectors	Two 68-Pin VHDCI connectors
Internal SCSI Connectors	Two 68-Pin Wide-Ultra SCSI-3 connectors One 50-Pin Narrow Ultra connector

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