

QUICK SPECS

Compaq 64-Bit Dual Channel Wide Ultra2 SCSI Adapter

MODELS

Compaq 64-Bit Dual Channel
Wide Ultra2 SCSI Adapter
348757-B21

348757-291

Flexible 64-bit dual channel PCI adapter provides support for 28 SCSI devices with data transfer rates up to 80 MB/s per channel.

Performance

Designed as Compaq's most flexible SCSI adapter, it provides support for up to 30 SCSI devices, while only taking up a single PCI slot. Ideal for high-end tape and disk storage solutions, such as the DLT Tape Array II, 35/70 GB DLT Library, and the ProLiant Storage System Model UE, this adapter delivers exceptional system performance, along with two separate Wide Ultra2 SCSI channels that each provide 64-bit bus-master capabilities, transferring data as fast as 133 MB/s (PCI) each between storage subsystem and system memory. The Compaq 64-Bit Dual Channel Wide Ultra2 SCSI Adapter delivers data transfer rates of up to 80 MB/s per channel, doubling the data transfer rates of Wide-Ultra SCSI-3 adapters.

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

Fault Tolerance

Supports software-based fault tolerant configurations available under Windows NT and NetWare (including hot fix, drive mirroring and adapter duplexing)

Storage Capacity

Supports two channels of up to 14 internal or external SCSI devices per channel (total of 30 devices, including the adapter) with a maximum hard drive storage capacity of up to 1.09 TB per adapter

Compatibility

Available for all Compaq PCI server configurations and backward compatible with a variety of Fast, Fast-Wide SCSI-2 and Wide Ultra SCSI-3 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 Compaq product in which it is installed (to a maximum three-year limited warranty¹)

Minimum: One-year, on-site limited warranty¹

SPECIFICATIONS

Protocol	Wide Ultra2 SCSI, Wide Ultra SCSI-3, Fast-Wide SCSI-2 and Fast SCSI-2
Drives Supported	Up to 28 (14 per channel)
Data Transfer Method	64-Bit PCI bus-master
Maximum Host Bus Transfer Rate	133 MB/s per channel
Maximum SCSI Transfer Rate	80 MB/s per channel
External SCSI Connectors	Two 80-Pin VHDCI (Very High Density Cable Interconnect) connectors
Internal SCSI Connectors	Two Wide-Ultra SCSI-3 (standard 68-pin) connectors
Supported Operating Systems	Windows NT 4.0 and Windows 95 Novell NetWare 3.12, NetWare 4.x and NetWare 5 SCO UnixWare 2.x and 7, Open Server 5 OS/2 Warp Server 4, Warp Connect 3 Banyan Vines

OPTIONS

Hard Drives

Wide Ultra2 Drives – Hot Plug

18.2-GB Pluggable Ultra2 SCSI Hard Drive (1")	388144-B21
9.1-GB Pluggable Ultra2 SCSI 10,000 rpm ² Hard Drive (1")	328939-B21
9.1-GB Pluggable Ultra2 SCSI Hard Drive (1")	123065-B21
9.1-GB Pluggable Ultra2 SCSI Hard Drive (1")	349514-B21

Wide Ultra2 Drives – Non-Hot Plug

18.2-GB Ultra2 SCSI 10,000 rpm ² Hard Drive (1.6")	328943-B21
18.2-GB Ultra2 SCSI rpm Hard Drive (1")	388143-B21
9.1-GB Ultra2 SCSI 10,000 rpm ² Hard Drive (1")	328942-B21
9.1-GB Ultra2 SCSI Hard Drive (1")	349526-B21

Wide Ultra SCSI-3 Drives – Hot Plug

36.4-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1.6")	400740-B21
18.2-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm ² Drive (1.6")	336358-B21
18.2-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1")	400739-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm ² Hard Drive (1")	336357-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1")	313706-B21
4.3-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1")	272577-001

Wide-Ultra SCSI-3 Drives – Non-Hot Plug

18.2-GB Wide-Ultra SCSI-3 10,000 rpm ² Hard Drive (1.6")	336370-B21
9.1-GB Wide-Ultra SCSI-3 10,000 rpm ² Hard Drive (1")	336369-B21
9.1-GB Wide-Ultra SCSI-3 Hard Drive (1")	339509-B21
4.3-GB Wide-Ultra SCSI-3 Hard Drive (1")	339506-B21

External Storage

CD Storage System Rack Model	306250-B21
CD Storage System Tower Model SCSI Storage Expander II	306251-B21

DLT Libraries

DLT Tape Array II	295165-001
DLT 15 Cartridge ³ Library Model 35/70-1	295555-001
DLT 15 Cartridge ³ Library Model 20/40-1	350362-001
DLT 15 Cartridge ³ Library Model 20/40-2	350362-002
DLT 15 Cartridge ³ Library Model	295555-002
DLT 15 Cartridge ³ Library Model (Japanese)	295555-291

OPTIONS (continued)

Tape Drives and Cartridges

12/24-GB DAT Drive	295513-B21
4/8-GB DAT Drive	295353-B21
4/8-GB SLR Drive	295480-B21
Internal 12/24-GB DAT autoloader	295524-B21
External 12/24-GB DAT autoloader	295525-B21
Internal 35/70-GB DLT Drive	242520-B21
External 35/70-GB DLT Drive	242521-B21
Internal 20/40-GB DLT Drive	340743-B21
External 20/40-GB DLT Drive	340744-B21
DLT Tape Array II Model 3570-4	295165-001

External Storage ProLiant Storage System

ProLiant Storage System Model 1	189600-001
Rack-Mountable ProLiant Storage System Model 1	189900-001
ProLiant Fast-Wide Duplexing Kit	199614-001

External Cables

VHDCI (Very High Density Cable Interconnect) to Wide, 6'	295644-B21
VHDCI to Wide, 12' for racks	295645-B21
VHDCI to Narrow, 6'	295646-B21
VHDCI to Narrow, 12' for racks	295647-B21

Internal Cables

Wide Ultra2 (LVD) cable	269157-003
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ProLiant Storage System/F

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/U	
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: Wide Ultra2 SCSI adapter must be used with Wide Ultra2 SCSI capable HDD, cable, drivers and servers/workstations. Wide Ultra2 SCSI operation is only supported for drives internally mounted in the server. Wide Ultra2 SCSI is not supported for external storage systems. The Compaq adapter will default to Wide-Ultra SCSI-3 for external storage subsystems.

COMPATIBILITY

Servers

Compaq ProLiant 7000 Xeon™
Compaq ProLiant 6500 Xeon
Compaq ProLiant 6400R Xeon
Compaq ProLiant 6000 Xeon
Compaq ProLiant 5500R Xeon
Compaq ProLiant 5500 Xeon
Compaq ProLiant 3000R
Compaq ProLiant 3000
Compaq ProLiant 1850R
Compaq ProLiant 1600R
Compaq ProLiant 1600
Compaq ProLiant 1200
Compaq ProLiant 400

SMB

Compaq Prosignia 740
Compaq Prosignia 720
Compaq Prosignia 200

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

² For complete compatibility information, refer to the Compaq SCSI Hard Drive Compatibility table located at <http://www.compaq.com/products/servers/storage/index-drives.html>. Using hard drives in unsupported configurations will result in voiding of the warranty and could result in damage to the drive and/or loss of data.

³ The DLT 15 Cartridge Library Model 20/40 or Model 35/70 can be mounted in a Compaq rack. To use any model of the library on a tabletop, the customer would purchase one of the Library Models listed above and would also order the Tabletop Conversion Kit (295162-B21) to provide metal top and side covers. Refer to the Compaq DLT Libraries QuickSpec for details. DLT Library Model 20/40 or 35/70 includes one 20/40 DLT data cartridge or one 35/70 DLT data cartridge and three empty 5-cartridge magazines. US 350362-001/-002 (1 drive/2 drive) includes U.S. power cord, US 295555-001/-002 (1 drive/2 drive) includes U.S. power cord, Int'l -B31/B32 (1 drive/2 drive) CTO power cord for country ordering the unit.