Compaq StorageWorks ESL9326SL
Enterprise Storage Library

Introducing the ESL9326SL

The Compaq *StorageWorks™* ESL9326SL Storage Library delivers unprecedented flexibility, capacity, high availability, and investment protection in the most demanding enterprise environments. An individual library stores up to 35.86 TB of data (native) and delivers transfer rates of up to 633.6 GB per hour (native). The ESL9326SL provides continuous availability with components-level redundancy. Continuous uptime for mission-critical backups is ensured via redundant power supplies and fans, coupled with hot swap capability on SDLT drives, power supplies and fans. The ESL9326SL library is qualified behind Compaq *Alpha™* and *ProLiant™* servers running Compaq *Tru64™* UNIX, *OpenVMS™*, NetWare, or Windows NT/2000. Multi-unit scalability through the pass-through capability will allow combinations of up to five ESL9326SL

libraries into a "virtual library" that can store up to 179.3 TB (native) or, for maximum flexibility, allow combinations of the ESL9326SL with the ESL9198SL.

Complete data and business protection

> **Flexible, scalable capacity** – 326 slots and up to 16 Compaq SDLT 110/220 GB drives back up as much as 35.86 TB (native). Pass-through capability will let you create a customized "virtual library" that can store up to 179.3 TB (native).

> **Continuous uptime** – Hot plug drives, power supplies and cooling fans allow for component replacement without interruptions.

> **Mission-critical availability** – Redundant AC failover power, DC power supplies, and cooling fans ensure that mission-critical backups and restores proceed without disruptions.

> **Investment protection** – A PCI backplane provides plug compatibility (and ensures an upgrade path) to future technologies using add-on cards for enhanced functionality.

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Compaq StorageWorks ESL9326SL Enterprise Storage Library

System support

Operating system support:
> Windows NT/2000, NetWare 4.5 and above, Compaq *Tru64* UNIX v4.0g and 5.1, *OpenVMS* v7.2.1

Server Support:
> Compaq *ProLiant* 8500, 8000, 7000, 6500, DL580/6400R, 6000, ML570/5500, ML530/3000 Servers
> Compaq *AlphaServer*™ GS320*, GS160*, GS80*, GS140, GS60, ES40

* supported in future (post launch)

SCSI Controllers:
ProLiant Adapters
> 64 bit 66 MHz PCI dual channel Wide Ultra II SCSI adapter (129803-B21)

Alpha Adapters
> Single channel Ultra SCSI Adapter (3X-KZPCA-AA)

Modular Data Router (required for SAN configuration)
> Modular Data Router
  (1 FC x 2 LVD SCSI)   163083-B21
> Modular Data Router
  (2 FC x 4 LVD SCSI)   218241-B21

Application support:
Under direct SCSI attach and Compaq EBS for SANs):
> VERITAS Backup Exec™ v8.5 for Windows NT/2000
> VERITAS Backup Exec™ v8.5 for NetWare
> Computer Associates ARCserve™ 2000 Windows NT/2000
> Computer Associates ARCserve™ v7.0 for NetWare

Supported in future (Post Launch)
> VERITAS NetBackup v3.4 for Windows NT/2000 *Tru64* UNIX
> Tivoli TSM v.4.2 (under EBS only)
> Legato NetWorker v6.0.1 for *Tru64* UNIX and Windows NT/2000
> Legato SmartMedia v1.2 for *Tru64* UNIX

Under direct SCSI attach only:
> Storage Library System (SLS) v2.9d for *OpenVMS*
> Archive/Backup System (ABS) v3.0 for *OpenVMS*

Automation and Network Utilities:
> Media Robot Utility V1.4, Compaq Insight Manager V5.0, Compaq TSMC (Tape Storage Management Console) V2.0

Specifications

SCSI Interface	Ultra II LVD, SCSI, 68HD	
Form Factor	Free Standing	
Dimensions	75h x 57w x 29d inches (191h x 145w x 75d cm)	
Unit Weight		
	Without data cartridges, 6 drives	1165 lbs/529 kg
	Without data cartridges, 16 drives	1300 lbs/590 kg
	326 data cartridges, 16 drives	1457 lbs/661 kg
Performance (native)	11 MB/sec per drive	
	Minimum configuration	2 Compaq SDLT 110/220 drives, up to 79.2 GB/hr (native)
	Maximum configuration	16 Compaq SDLT 110/220 drives, up to 633.6 GB/hr (native)
Storage Capacity	Up to 326 slots for 35.86 TB (native), 71.72 TB (2:1 Compression), single unit	
	Scales to five units 179.3 TB (native), 358.6 TB (2:1 compression)	
Input/Output Port	2 x 6 slot removable magazines	
Power Consumption	VA Max 1600W	
Reliability (Library Only)		
	MTBF 250,000 hours	
	MSBF 1,000,000 load/unload cycles	
Warranty	Three-year, first-year, on-site next-day response	
Regulatory Compliance		
	Safety UL1950, CSA C22.2 950, EN 60950:1992/A11, IEC60950:1992/A11, DHHS/FDA (US CFR21 part 1040, Class 1 laser) EN 60825:1994/A11	
	EMI FCC Part 15 Class A, CISPR Publication 22 Class A, ICES-003, Class A, VCCI Class 1, SMA AZ/NZS 3548 Class A	
	EMC EN6100-3-2, EN50082-1:1992, EN50022:1994	

Model and option numbers

ESL9326SL Enterprise Library

ESL9326 LVD 0 DRV	234488-B21
ESL9326SL LVD 6 SDLT 110/220 DRV	234615-B21
ESL9326SL LVD 8 SDLT 110/220 DRV	234615-B22
ESL9326SL LVD 16 SDLT 110/220 DRV	234615-B26

Upgrade drive

ESL9K field upg SDLT 110/220 LVD drive in hot plug canister	234617-B21

Cartridges and Accessories

SDLT Media 5-Pack	188527-B21
SDLT Media 10-Pack	188527-B22
SDLT Media 20-Pack	188527-B26
LVD Extender kit (Required for HBA to Library SCSI cable lengths exceeding 10 m)	221249-B21
ESL9000 6 slot magazine	229909-B21

SCSI Cable Kits

Wide Differential SCSI cable, 10 m	328215-002
Wide Differential SCSI cable, 20 m	328215-004*
SCSI Cable, VHDCI/Wide, 6 ft	341176-B21
SCSI Cable, VHDCI/Wide, 12 ft	341177-B21
Wide/VHDCI cable, 10 m	201160-B21
Wide/VHDCI cable, 20 m	201160-B23*

* requires LVD extender kit

Library Scalability Kit

Library Pass-through Mechanism Kit	161268-B21

For further details visit
www.compaq.com/products/storageworks/tape_optical_storage.html
or contact your Compaq account manager.

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