

Compaq StorageWorks ESL9198SL Enterprise Storage Library

Introducing the ESL9198SL



The Compaq StorageWorks™ ESL9198SL Storage Library delivers unprecedented flexibility, capacity, high availability, and investment protection in the most demanding enterprise environments. An individual library stores up to 21.78 TB of data (native) and delivers transfer rates of up to 316.8 GB/hr. The ESL9198SL provides continuous availability with component-level redundancy. Continuous uptime for mission-critical backup is ensured via redundant power supplies and fans, coupled with hot swap capability on SDLT drives, power supplies and fans. The ESL9198SL 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 ESL9198SL libraries into a single “virtual library” or, for maximum flexibility, allow combinations of the ESL9198SL with the ESL9326SL library.

Complete data and business protection

- > **Flexible, scalable capacity** – 198 slots and up to eight drives for native back up capacity as much as 21.78 TB. Pass-through capability will let you create a customized “virtual library” that can store up to 95.7 TB.
- > **Continuous uptime** – True hot plug SDLT drives, hot swap power supplies and cooling fans allow for component replacement without interruptions.
- > **Mission-critical availability** – Redundant failover AC power, DC power supplies, and cooling fans ensure that mission-critical backups and restores proceed without disruptions.
- > **Investment protection** – A PCI back-plane provides plug compatibility (and ensures an upgrade path) to future technologies using add-on cards for enhanced functionality.

Compaq StorageWorks ESL9198SL Enterprise Storage Library

System support

Operating system support:

- > Windows NT/2000, NetWare v4.5 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 36w X 29d inches (191h X 91.4 w X 75d cm)
Unit Weight	
	Without data cartridges, 0 drives 850 lbs/386 kgs
	Without data cartridges, 8 drives 953 lbs/433 kgs
	198 data cartridges, 8 drives 1053 lbs/478 kgs
Performance (native)	11 MB/sec per drive
	Minimum configuration 2 Compaq SDLT 110/220GB drives, up to 79.2 GB/hr (native)
	Maximum configuration 8 Compaq SDLT 110/220GB drives, up to 316.8GB/hr (native)
Storage Capacity	Up to 198 SDLT cartridges for up to 21.78 TB (native), 43.56 TB (compressed 2:1), Scaled to 5 modules 95.7 TB(native) , 191.4 TB (compressed 2:1)
Input/Output Port	2 x 6 slot removable magazines
Power Consumption	VA Max 1200W
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

ESL9198SL Enterprise Library

ESL 9198SL LVD, 0 drives	194993-B21
ESL 9198SL LVD 4 SDLT 110/220 DRV	234618-B21
ESL 9198SL LVD 8 SDLT 110/220 DRV	234618-B22

Upgrade drive

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

www.compaq.com/products/storageworks/tape_optical_storage.html

or contact your Compaq account manager.

www.compaq.com

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