

MODELS

SSL2020 AIT Mini-Library

*175195-B21 (1) drive 20-slot
TableTop*

*175195-B22 (2) drive 20-slot
TableTop*

*175196-B21 (1) drive 20-slot
Rackmount*

*175196-B22 (2) drive 20-slot
Rackmount*

The SSL2020 AIT Mini-Library offers up to two terabytes of Automated AIT backup and restoration solution in a single module Tabletop or Rackmount configuration including one and two drive models. It is scalable and flexible to grow with your companies storage needs.

OVERVIEW

The SSL2020 AIT Mini-Library offers one terabyte (native) of storage in a 4U Table Top or Rack configuration. The SSL2020 single or dual drive module is the first step to building a 10 drive, 100-slot library, for a total of 10 terabytes in a 20U space.

The Compaq SSL2020 is qualified with Windows NT & Windows 2000, Netware, Tru64™ Unix and OpenVMS, as well as Compaq's ProLiant and AlphaServer product lines.

SSL2020 AIT Mini-Library Customer benefits include:

- Can backup large amounts of data in a small backup window
- Compatible with a wide variety of operating systems, software applications, and server platforms
- Compressed form factor only taking 4U of rack space with a single module
- Highly reliable which equates to lower cost of ownership
- Does not require special training to operate
- Removable magazine for off-site backup storage

KEY FEATURES

- Reliable, low-cost backup, restoration and archival solution that fits a growing companies storage needs
- Compaq is able to offer their customers larger capacity and higher performance at a lower cost.
- Supports one or two AIT 50-GB tape drives for native transfer rates up to 40 GB/hr (maximum) in a single module
- Stores up to two terabytes of data (using 2-to-1 compression) in a single module
- Scalable modular design can be configured up to five modules for a total storage capacity of up to 10 terabytes.

PRODUCT HIGHLIGHTS

High-Capacity Small Form Factor Backup and Restore

The SSL2020 is positioned to those customers needing a scalable device that will grow with their storage needs. The AIT Mini-Library is capable of automated operation for backup, restoration, and hierarchical storage management of data when coupled with a wide array of qualified industry-standard backup applications.

The SSL2020 is offered as a standalone tabletop unit or as a scalable/stackable rack mount unit, with a removable 19-cassette magazine, and integral bar code reader and either one or two Compaq AIT 50GB drives. Add a cassette to the mailslot for a complete 20-cassette solution.

Capacity, Performance and Scalability

The SSL2020 is built on a modular concept, offering scalability and flexibility for custom configurations. Combine modules for a rackmount solution to meet specific performance and capacity requirements. The SSL2020 can be configured as a single device or a multi-module device, supporting up to five modules in a single rack configuration.

SSL2020 Mini-Library

The SSL2020 can support up to two AIT 50GB drives, offering up to 12 MB/s of native performance. With 20 data cassettes (19-slot magazine, one mailslot), the SSL2020 offers up to two terabytes of compressed data storage capacity in a small 4U height.

Advanced Intelligent Tape (AIT) Technology

AIT drive employs a helical scan recording style in which data tracks are written at an angle relative to the edge of the tape. This provides higher density recording, enabling Compaq customers to lower costs and increase efficiency by storing more data on a single tape.

Memory-In-Cassette (MIC)

AIT technology features Memory-In-Cassette (MIC), a 16-Kb memory chip built into the data cassette which speeds access to your data. The MIC chip provides sophisticated data access capability that allows users to load and unload the tape at the mid-point, which helps in locating files in seconds.

Compatibility and Integration Testing

Compaq's SSL2020 ensures the customer of full compatibility with Compaq's ProLiant servers, AlphaServers and controllers. Compaq thoroughly tests products with leading software and operating systems, including VERITAS Backup Exec and CA ARCserve.

PRODUCT HIGHLIGHTS *(continued)*

Manageability

The SSL2020 AIT library configurations are fully supported through Compaq Insight Manager, providing information to administrators for both robotic and tape status changes. Other data and automation manageability features are provided via specific third party applications software packages.

O/S Support

Windows NT v4.0 SP5
Windows 2000
Novell NetWare v4.12
Novell NetWare v5.0
Open VMS v7.1-2 and 7.2-1

Server Support

High-End ProLiant Servers

ProLiant 8500
ProLiant 8000
ProLiant 7000
ProLiant 6400R
ProLiant DL580
ProLiant 6000 (Xeon™)

Departmental ProLiant Servers

ProLiant 5500/5500R (Xeon)
ProLiant ML570
ProLiant ML530
ProLiant 3000

Workgroup ProLiant Servers

ProLiant 1850R
ProLiant DL380
ProLiant 1600
ProLiant 800
ProLiant ML350

Compaq AlphaServers

AlphaServer GS60
AlphaServer 4100 / ES40
AlphaServer1200 / DS20(E)
AlphaServer 800 / DS10

SCSI Controllers

64-bit Dual Channel SN-KZPCA-AA (SE/LVD)

Note: For AlphaServers

64-bit Dual channel Wide Ultra2 SCSI Adapter (348757-B21)

PRODUCT HIGHLIGHTS *(continued)*

Application Support

Compaq supports the following backup/restoration applications software packages:

VERITAS Software Backup Exec™ v8.0 for Windows NT and Windows 2000
 Computer Associates ARCserve®/IT v6.61 Windows NT
 VERITAS Software Backup Exec v8.5 for NetWare
 Computer Associates ARCserve/IT v6.61 for NetWare
 Archive Backup System for OpenVMS v2.2
 Storage Library System v2.9b for OpenVMS

Automation and Network Utilities

Media Robot Utility (MRU) v1.4
 Compaq Insight Manager
 Tape Storage Management Console

Warranty

(3-1-1) Three year warranty, first year, on-site next day response

Note: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. In Canada, consult the Product Information Center at 1-800-567-1616 for details.

SOFTWARE COMPONENTS

SmartStart

The server configuration and software integration tool from Compaq

CS Support

Compaq Services provides a three-year, limited warranty, fully supported by a worldwide network of resellers and service providers and lifetime toll-free 7 x 24 hardware technical phone support. In addition, available service offerings include a full range of CarePaq packaged hardware and software services:

- Installation and start up
- Extended coverage hours and enhanced response times
- System management and performance services
- Availability and recovery services

SPECIFICATIONS

Control Panel	Library and Drive Status	
	Move tape cassettes	
	Load/Unload tape drives	
	Maintenance (drive cleaning, diagnostics)	
	Library Configuration	
	Statistics	
SCSI Interface	SCSI LVD	
UPC Codes	175195-B21	720591337728
	175195-B22	720591337735
	175196-B21	720591337742
	175196-B22	720591337759
	175197-B21	720591337766
	175198-B21	720591337773
	175199-B21	720591337988
	175312-B21	720591338688
	175312-B22	720591338695
	179992-001	720591363512
	175199-B22	720591428426
Form Factor	Rack Mount (RETMA, Metric)	
	Table Top	

SPECIFICATIONS *(continued)*

Shipping Dimensions (HxWxD)	13.6 x 23 x 32 in/34.5 x 58.4 x 81.3 cm
Dimensions (HxWxD)	
TableTop	7.9 x 17.3 x 24 in/20 x 44 x 61 cm
Rack Mount	6.7 x 17.3 x 24 in/17 x 44 x 61 cm
Unit Weight	
Single Drive	75 lbs/34 kg
Dual Drive	78 lbs/35.4 kg
Capacity (native)	
SSL2020 module	1 terabyte
Performance (native)	6 MB/s per drive
SSL2020 single module	Supports 1 or 2 AIT 50-GB drives for native transfer rates up to 43 GB/hr
Maximum Configuration (5 modules)	Supports 10 x AIT 50-GB drives for native transfer rates up to 216 GB/hr
Storage Capacity (compressed @ 2:1)	100 GB per cassette
SSL2020 single module	Supports 20 AIT 50-GB cassettes for compressed capacity up to 2 terabytes
Maximum Configuration (5 modules)	Supports up to 100 cassettes for compressed capacity up to 10 terabytes
Power Consumption	
SSL2020 single module	115 VAC @ 1.8 A 240 VAC @ 1.2 A
Power Requirement	200W, maximum
Acoustic Noise	
Noise Power Emission Level	7 bels, maximum
Avg. Sound Pressure Level	52 dBA
Reliability	
MTBF	250,000 hours (30% duty cycle)
Product Safety Requirements and Approvals	EN60950 (IEC 950), UL1950, CSA C22.2 950, VDE 0805/11.92 (TUV), EMKO-TSE 207/94 (NEMKO, FIMKO, DEMKO, SEMKO), NOM-019-SCFI-1993, KONKAR, MEEI, GOST, EVPU, SIQ, VCCI Class 1, C-Tick (Class A) SMA AZ/NZS 3548 Class A, BCIQ, CE Marking Directive (93/68/EEC) (Class A), EMC Directive (89/336/EEC), Low Voltage Directive (73/23/EEC)

COMPAQ SERVICE & WARRANTY SUPPORT

Additional Warranty protection and/or Compaq Installation packages can be purchased for the SSL2020 AIT Library products:

Software Product Services

- Standalone telephone support
- Rights to a new license
- Media and documentation updates

Hardware Product Services

- Installation services
- On-site Maintenance (includes warranty support)
- Response time upgrades during the warranty period
- Post-warranty coverage
- RAID setup and performance consulting via statement of work

For additional hardware installation and maintenance information please refer to the URL's listed below:

http://www.compaq.com/services/hardware/hw_installation.html

http://www.compaq.com/services/hardware/hw_maintenance.html

Warranty Upgrade Options

- Response - Upgrade on-site response from next business day to same day 4-hours
- Coverage - Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days
- Duration - Select duration of coverage for a period of 1, 3, or 5 years

CarePAQ Information

- CarePAQ is defined as an upgrade to the product warranty attribute, available for a specific duration and hours of coverage.
- CarePAQ is not available for less than the products warranty duration.
- CarePAQ is available for sale anytime during the warranty period for most products, but the commencement date will be the same as the Warranty Start Date (delivery date to end user customer). Proof of purchase may be required.
- CarePAQ services are prepaid.

For additional CarePAQ (hardware & software) information, as well as, orderable part numbers please refer to the URL listed below:

<http://www.compaq.com/services/carepag/index.html>

CONFIGURATION INFORMATION

Step 1 – SSL2020 – Base Configuration

Select one:

<u>Model #</u>	<u>Part #</u>	<u>Model Description:</u>
SSL2020,TT	175195-B21	AIT Library device, one or two drives, bar code reader, removable 19-slot magazine, one AIT 50-GB data cassette one AIT cleaning cassette, one 8.5 x 11 sheet bar code labels, English hardcopy documentation (Installation and User's Guide), translated documentation CD, installation and configuration CD, Compaq Storage Management Solutions kit, MRU and diagnostic software, and US power cord
	175195-B22	
SSL2020,RM	175196-B21	
	175196-B22	

Rackmount versions contain all of the above and mounting rails for Compaq racks.

Step 2 – Required Options

Select each required option with quantities specified

<u>Part #</u>	<u>Quantity</u>	<u>Description with parts shipped</u>
See SCSI Cable Kits for Part number	1	SCSI Cable Kit

Step 3 – Additional Options

Select each option with quantities specified

<u>Part #</u>	<u>Quantity</u>	<u>Description with parts shipped</u>
175312-B21	1	Pass Thru with Transport – used with two or more modules to exchange media between modules
175312-B22	1	Pass Thru Extender – extends the transport when more than two modules are connected

RELATED OPTIONS

The SSL2020 solution includes:

AIT Library device, one or two drives, bar code reader, removable 19-slot magazine, one AIT 50-GB data cassette, one AIT cleaning cassette, one 8.5 x 11 sheet bar code labels, English hardcopy documentation (Installation and User's Guide), translated documentation CD, installation and configuration CD, Compaq Storage Management Solutions kit, MRU and diagnostic software, and US power cord

Rackmount versions contain all of the above and mounting rails for Compaq racks.

AIT Library System

SSL2020 AIT Library, 1 Drive, Table Top, LVD	175195-B21	UPC: 720591337728
SSL2020 AIT Library, 2 Drives, Table Top, LVD	175195-B22	UPC: 720591337735
SSL2020 AIT Library, 1 Drive, Rack Mount, LVD	175196-B21	UPC: 720591337742
SSL2020 AIT Library, 2 Drives, Rack Mount, LVD	175196-B22	UPC: 720591337759

Mini-Library Pass Thru Kits (needed for multiple modules configuration)

Pass Thru Transport	175312-B21	UPC: 720591338688
Pass Thru Extender	175312-B22	UPC: 720591338695

Drive Upgrade Kits

Add-on AIT 50-GB Drive For SSL2020	175197-B21	UPC: 720591337766
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RELATED OPTIONS *(continued)*

Cassettes and Accessories

19-slot magazine	175198-B21	UPC: 720591337773
AIT 50-GB Data Cassette, 5 pack	152841-001	UPC: 743172966902
AIT Cleaning Cassette	402374-B21	UPC: 743172761996

SCSI Cable Kits

Wide Differential SCSI cable, 5m	328215-001	UPC: SEE_SAP
Wide Differential SCSI cable, 10m	328215-002	UPC: SEE_SAP
Wide Differential SCSI cable, 15m	328215-003	UPC: SEE_SAP
Wide Differential SCSI cable, 20m	328215-004	UPC: SEE_SAP
SCSI Cable, VHDCI / W, 6 ft	341176-B21	UPC: 743172660831
SCSI Cable, VHDCI / W, 12 ft	341177-B21	UPC: 743172660848

Rack Mounting Kits

Mini-Library Table Top to Rack Mount Conversion Kit, Compaq and StorageWorks racks	175199-B21	UPC: 720591337988
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