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 company's 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 company's 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.

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
PRODUCT HIGHLIGHTS (continued)

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)

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 ARCserveIT 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.
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

Shipping Dimensions (HxWxL)
- 13.6 x 23 x 32 in/34.5 x 58.4 x 81.3 cm

Dimensions (HxWxD)
- Table Top 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
SPECIFICATIONS (continued)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Consumption</td>
<td>SSL2020 single module 115 VAC @ 1.8 A</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SSL2020 single module 240 VAC @ 1.2 A</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>200W, maximum</td>
</tr>
<tr>
<td>Acoustic Noise</td>
<td>Noise Power Emission Level 7 bels, maximum</td>
</tr>
<tr>
<td></td>
<td>Avg. Sound Pressure Level 52 dBA</td>
</tr>
<tr>
<td>Reliability</td>
<td>MTBF 250,000 hours (30% duty cycle)</td>
</tr>
</tbody>
</table>

Product Safety Requirements and Approvals


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/carepaq/us/install/
http://www.compaq.com/services/carepaq/us/hardware/

Note: These Web sites are available in English only.

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/carepaq/index.html

Note: This Web site is available in English only.
**STEP 1 – SSL2020 – BASE CONFIGURATION**

Select one:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Part Number</th>
<th>Model Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSL2020,TT</td>
<td>175195-B21</td>
<td>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</td>
</tr>
<tr>
<td>SSL2020,RM</td>
<td>175195-B22</td>
<td>Rackmount versions contain all of the above and mounting rails for Compaq racks</td>
</tr>
<tr>
<td>SSL2020,TT</td>
<td>175196-B21</td>
<td></td>
</tr>
<tr>
<td>SSL2020,RM</td>
<td>175196-B22</td>
<td></td>
</tr>
</tbody>
</table>

**STEP 2 – REQUIRED OPTIONS**

Select each required option with quantities specified

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Quantity</th>
<th>Description with parts shipped</th>
</tr>
</thead>
<tbody>
<tr>
<td>See SCSI Cable Kits for Part number</td>
<td>1</td>
<td>SCSI Cable Kit</td>
</tr>
</tbody>
</table>

**STEP 3 – ADDITIONAL OPTIONS**

Select each option with quantities specified

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Quantity</th>
<th>Description with parts shipped</th>
</tr>
</thead>
<tbody>
<tr>
<td>175312-B21</td>
<td>1</td>
<td>Pass Thru with Transport – used with two or more modules to exchange media between modules</td>
</tr>
<tr>
<td>175312-B22</td>
<td>1</td>
<td>Pass Thru Extender – extends the transport when more than two modules are connected</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>175195-B21</td>
<td>SSL2020 AIT Library, 1 Drive, Table Top, LVD</td>
</tr>
<tr>
<td>175195-B22</td>
<td>SSL2020 AIT Library, 2 Drives, Table Top, LVD</td>
</tr>
<tr>
<td>175196-B21</td>
<td>SSL2020 AIT Library, 1 Drive, Rack Mount, LVD</td>
</tr>
<tr>
<td>175196-B22</td>
<td>SSL2020 AIT Library, 2 Drives, Rack Mount, LVD</td>
</tr>
</tbody>
</table>

**Mini-Library Pass Thru Kits**

(needed for multiple modules configuration)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>175312-B21</td>
<td>Pass Thru Transport</td>
</tr>
<tr>
<td>175312-B22</td>
<td>Pass Thru Extender</td>
</tr>
</tbody>
</table>

**Drive Upgrade Kits**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>175197-B21</td>
<td>Add-on AIT 50-GB Drive For SSL2020</td>
</tr>
</tbody>
</table>

**Cassettes and Accessories**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>175198-B21</td>
<td>19-slot magazine</td>
</tr>
<tr>
<td>152841-001</td>
<td>AIT 50-GB Data Cassette, 5 pack</td>
</tr>
<tr>
<td>402374-B21</td>
<td>AIT Cleaning Cassette</td>
</tr>
</tbody>
</table>

**SCSI Cable Kits**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>328215-001</td>
<td>Wide Differential SCSI cable, 5m</td>
</tr>
<tr>
<td>328215-002</td>
<td>Wide Differential SCSI cable, 10m</td>
</tr>
<tr>
<td>328215-003</td>
<td>Wide Differential SCSI cable, 15m</td>
</tr>
<tr>
<td>328215-004</td>
<td>Wide Differential SCSI cable, 20m</td>
</tr>
<tr>
<td>341176-B21</td>
<td>SCSI Cable, VHDCI / W, 6 ft</td>
</tr>
<tr>
<td>341177-B21</td>
<td>SCSI Cable, VHDCI / W, 12 ft</td>
</tr>
</tbody>
</table>

**Rack Mounting Kits**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>175199-B21</td>
<td>Mini-Library Table Top to Rack Mount Conversion Kit, Compaq and StorageWorks™ racks</td>
</tr>
</tbody>
</table>