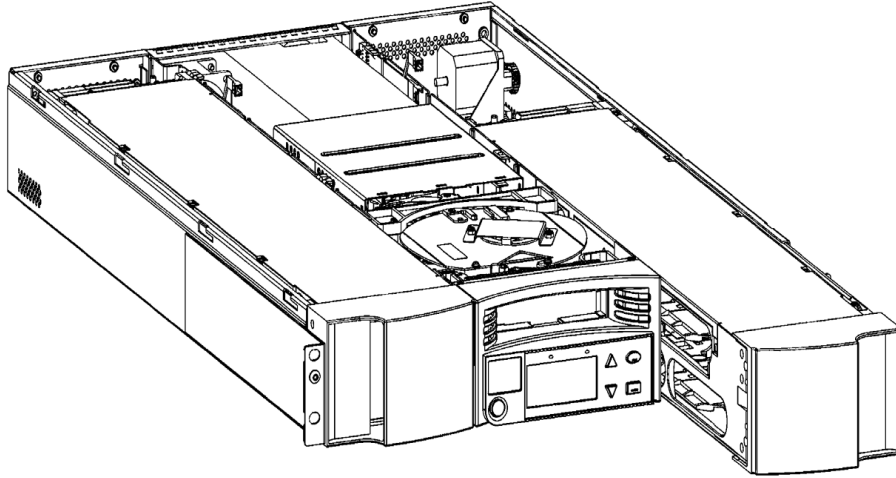


Overview



At A Glance

- The HP StorageWorks SSL1016 tape autoloader combines library features and capacity in the compact form of an autoloader. Ideal for replicated systems, the web-based management feature reduces dependence on local IT resources allowing multiple sites to be supported centrally. With a native capacity of up to 3.2 TB, the SSL1016 easily replaces a small library for many applications. At 2U in height, it provides a large amount of storage without consuming a large amount of valuable rack space.

Customer Benefits

- **Manageability:** Offers web-based remote management to allow control from across the room or from anywhere in the world.
- **Density:** Provides exceptionally dense storage; up to 3.2 TB (native) capacity in a compact 2U form factor.
- **Organization:** Integrates a bar code reader to enable shorter inventory times and to facilitate media management.
- **Efficiency:** Facilitates bulk handling of tape media through the use of two removable eight-slot magazines.
 - **Investment protection:** Allows backwards read compatibility of Ultrium 200 GB data cartridges written by Ultrium 230 tape drives.
- **Value:** Extends library features in the space and price of a tape autoloader.

Standard Features

Models	SSL1016 Ultrium 460 tape autoloader	330821-B21
	Feature List	
	3.2 TB native capacity in a 2U form factor	
	Web-based remote management	
	Standard bar code reader	
	Two eight-slot removable magazines	
	Accessories	
	SSL1016 Ultrium magazine kit	330823-B21

Key Features	<ul style="list-style-type: none">● Remote web management● 3.2 TB native storage capacity at 30 MB/s performance● 2U form factor (rackmount or tabletop)● Ultrium 460 superdrive● 16 cartridge capacity with user-selectable import/export slot● Integrated bar code reader● Two eight-cartridge removable magazines● Modular design for easier maintenance and upgrade capabilities
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Capacity	The SSL1016 Ultrium 460 tape autoloader supports 16 data cartridges for a total capacity of 3.2 TB (native).
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ISV/OS compatibility	Reference the EBS matrix for the most up-to-date ISV/OS compatibility information at http://www.hp.com/go/ebs
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Easy Installation	The SSL1016 tape autoloader is shipped as a rack-ready unit. A tabletop installation kit is also included with the product for those customers wishing to use the autoloader on a desktop.
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LTO Ultrium Technology	HP StorageWorks LTO (Linear Tape Open) Ultrium tape drives use best of breed technology. By taking the best features from other tape technologies and combining them into a single new technology, Ultrium tape drives are in a league of their own. Inclusion of innovative features such as Adaptive Tape Speed (ATS) ensure that Ultrium drives can meet the performance and reliability demands of a library environment. LTO technology is an open industry standard format; thus data written on HP StorageWorks Ultrium tape drives can be interchanged directly with Ultrium tape drives from other vendors.
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Manageability	<p>The SSL1016 tape autoloader allows web-based remote manageability; the unit can be monitored and managed from across the room or across the globe. Functions included in the management tool include:</p> <ul style="list-style-type: none">● Status information on the drive and system● System configuration operations and reporting● System error and status logs● Library and drive firmware upload capabilities● Foreign language support through firmware upgrades● Diagnostic tests and information● Cartridge movement for maintenance and management purposes● Cleaning cartridge support● Security and access control● SNMP support for IP communications
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Standard Features

Performance Utilizing an HP StorageWorks Ultrium 460 tape drive, the SSL1016 tape autoloader can transfer data at 30 MB/s or 108 GB/hr (native).

Server Support Reference the EBS matrix for the most up-to-date server compatibility information at www.hp.com/go/ebs

Serviceability Modular in construction, the SSL1016 tape autoloader has easily replaceable components minimizing the Mean-Time-to-Repair on the unit. Replaceable components include the drive/power supply/controller board, the magazines, and the chassis/robot. HP StorageWorks Library and Tape Tools (L&TT) provides easy access to the SSL1016 tape autoloader error log that generates support tickets and allows firmware downloads. L&TT can be downloaded for free at: <http://www.hp.com/support/tapetools>

Software Components

Compaq Insight Manager	The SSL1016 tape autoloader is supported for use with Insight Manager 7.0 and above.
HP StorageWorks Library and Tape Tools	The SSL1016 tape autoloader is supported on HP's industry-leading diagnostic tool - HP StorageWorks Library and Tape Tools (L&TT). L&TT is a single, convenient program that's a snap to install and simple to operate. L&TT's intuitive user interface eliminates the need for training and deploys in less than five minutes. This robust diagnostic tool is designed for both the experienced professional and the untrained administrator. It ensures product integrity through self-diagnostics and fast resolution to device concerns. Additional information on L&TT plus download information can be found at: http://www.hp.com/support/tapetools

Service & Support HP Care Pack and Warranty Information

Software Product Services Standalone telephone support
 Rights to new license version
 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 listed below:
<http://www.hp.com/hps/hardware/>

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

HP Care Pack and Support Pack Information	Same Day Response* (North America)	
	Warranty upgrade to 1-year, 9x5, 4 hour response	309182-002
	Warranty upgrade to 1-year, 24x7, 4 hour response	309185-002
	Warranty upgrade to 3-year, 9x5, 4 hour response	H5526A/E, 309183-002
	Warranty upgrade to 3-year, 24x7, 4 hour response	H4624A/E, 309186-002
	Warranty upgrade to 5-year, 9x5, 4 hour response	309184-002
	Warranty upgrade to 5-year, 24x7, 4 hour response	309187-002
	Same Day Response* (EMEA)	
	Warranty upgrade to 3-year, 9x5, 4 hour response	160877-022/-021
	Warranty upgrade to 3-year, 24x7, 4 hour response	160885-022/-021
	Warranty upgrade to 3-year, 9x5, 6 hour call-to-fix	207115-022/-021
	Warranty upgrade to 3-year, 24x7, 6 hour call-to-fix	207116-022/-021
	Next Business Day Response* (North America)	
	Warranty upgrade to 1-year, 9x5, next day	309188-002
Warranty upgrade to 3-year next day, parts exchange	H2698A/E	
Warranty upgrade to 3-year next business day/onsite	H4619A/E, 309189-002	
Warranty upgrade to 5-year, 9x5, next day	309190-002	

* Availability and Terms & Conditions vary by region; check with your HP sales representative or local HP reseller

Service & Support HP Care Pack and Warranty Information

HP Care Pack Information HP Care Pack is defined as an upgrade to the product warranty attribute, available for a specific duration and hours of coverage.

HP Care Pack is not available for less than the product's warranty duration.

HP Care Pack 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.

HP Care Pack services are prepaid.

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

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

Components

The following brick level options/components do not have individual HP Care Pack Services. These items will be included in product HP Care Pack Services into which they are installed.

Disk Drives	Tape Drives	CD/DVD ROM	SCSI Hubs in SBBs	Adapters
Bus Converters	Backplane RAID Controllers	Power Supplies	Cabling	Fans

Configuration Information

Step 1 - Base Configuration

Select one	Model Description	UPC	Part Number
SSL1016 Ultrium 460 tape autoloader	HP StorageWorks SSL1016 Ultrium 460 tape autoloader	808736892353	330821-B21
	Supplied with each autoloader		
	(1) One drive, 16 slot tape autoloader configured with an Ultrium 460 superdrive and bar code reader		
	(1) 6' US/Canada/Mexico power cord (IEC320-C13 to NEMA 5-15P)		
	(1) Ultrium 400 GB data cartridge		
	(1) Ultrium universal cleaning cartridge		
	(1) 6' VHDCI to VHDCI SCSI cable		
	1) 3' VHDCI to VHDCI SCSI cable		
	(1) 6' VHDCI to HDS68 SCSI cable		
	(1) RJ-45 Ethernet cable		
	(1) VHDCI SCSI terminator		
	(1) tabletop installation kit		
	1) rackmount installation kit (for use with HP E series rack or pre-merger Compaq 10000 rack)		
	Documentation kit including manual (CD), quick start poster, warranty card, safety card		

Step 2 - Required Options

Select each required option with quantities specified	Description with Parts Shipped	Quantity	UPC	Part Number
Power Cord	Power Cord, US/Canada/Mexico	Included with base unit	720591673581	227099-001
	Power Cord, Australia/China/New Zealand	1 each*	720591673567	227098-011
	Power Cord, South East Asia/India	1 each*	613326803844	157220-AR1
	Power Cord, Central Europe	1 each*	613326803851	157215-021
	Power Cord, United Kingdom/Hong Kong	1 each*	720591547288	157216-031
	Power Cord, Switzerland	1 each*	743172633156	157219-111
	Power Cord, Italy	1 each*	613326803820	157217-061
	Power Cord, Denmark	1 each*	613326803837	157218-081
	Power Cord, Japan	1 each*	N/A	139867-006
	*NOTE: One power cord is required. Please select the correct power cord for your geography.			

Configuration Information

Step 3 - Options

	Model Description	Quantity	UPC	Part Number
SCSI Host bus Adapters	Reference the EBS matrix for the most up-to-date HBA compatibility information at www.hp.com/go/ebs			
Magazines	Additional SSL1016 magazine - 8 Ultrium cartridge capacity	As needed	808736889797	330823-B21
Connectivity	SCSI Cable, VHDCI/VHDCI, 6 feet	As needed	743172660817	341174-B21
	SCSI Cable, VHDCI/VHDCI, 12 feet	As needed	743172660824	341175-B21
	SCSI Cable, VHDCI/Wide, 6 feet	As needed	743172660831	341176-B21
	SCSI Cable, VHDCI/Wide, 12 feet	As needed	743172660848	341177-B21
	SCSI Cable, VHDCI/Wide, 10 meter	As needed	720591469108	201160-B21
Media Supplies	HP Ultrium 400 GB data cartridge		808736395847	C7972A
	HP Ultrium universal cleaning cartridge		808736038799	C7978A
	HP Ultrium 2 bar code labels (100 pack)		808736617093	Q2002A

TechSpecs

Capacity	3.2 TB native; 6.4 TB compressed	
Dimensions (HxWxD)	Out-of-Box	3.5 x 17.7 x 29.71 in (8.89 x 44.96 x 75.46 cm)
	Shipping	11.75 x 23.5 x 39.5 in (29.8 x 59.7 x 100.3 cm)
Weight	Out-of-Box	50 lb (22.73 kg); not including media
	Shipping	68.2 lb (31 kg)
UPC Code for 330821-B21	808736889759	
Connectors/Cables	Included	In the box contents
	Connectors	(2) 68-pin VHDCI; (1) RJ-45
	Cables	(1) 6' VHDCI to VHDCI SCSI cable; (1) 3' VHDCI to VHDCI SCSI cable; (1) 6' VHDCI to HDTS68 SCSI cable; (1) RJ-45 Ethernet cable
LED Indicators (On Front Panel)	Left (Green) LED shows ready status information	
	Right (Amber) LED shows fault status information	
Input Requirements	Nominal Line Voltage	110 to 120 VAC/220 to 240 VAC
	Range Line Voltage	90 to 265 VAC (60 Hz); 90 to 135 VAC (50 Hz)
	Line Frequency	47 Hz to 63 Hz
	Typical Input Current	6.0A (RMS) for 115 VAC [60 Hz]; 3.0A (RMS) for 230 VAC [50 Hz]
Interface	SCSI Ultra3 (68-pin VHDCI)	
Inventory Time	22 seconds	
Maximum Number of Drives	1	
Maximum Data Transfer Rate	30 MB/s native (108 GB/hr native); 60 MB/s compressed (216 GB/hr compressed)	
Media Supported	Ultrium 400 GB data cartridge; Ultrium cleaning cartridge	
Power	80 Watts (max)	
Relative Humidity (non condensing)	Operating	50° to 95° F/10° to 35° C
	Temperature Range	
	Operating	20% to 80%
	Shipping	10% to 90%
Product Service Options	U2090A/E; 309191-002 - Installation services	
Warranty	1 year, parts exchange	

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