

# HP StorageWorks 1/8 Tape Autoloader



Designed for basic data protection, the HP StorageWorks 1/8 Tape Autoloader provides cost-effective, easy-to-install unattended backup. No more struggling to remember to change tapes or start backup programs. With the 1/8 Tape Autoloader, reliable backup equals peace of mind.

Equally at home in a data-center rack or on a desk next to the office server, the 1/8 Tape Autoloader is equipped with either an HP StorageWorks Ultrium 460, SDLT 320, Ultrium 230 or a DLT VS80 tape drive and can house up to eight cartridges. The autoloader can be used for both direct-attach backup to a single server locally or across a LAN. The Ultrium and SDLT versions are an ideal consolidated backup solution for multiple servers where high throughput and high capacity are required. For users who have less stringent capacity and throughput requirements, the DLT VS80 version is recommended.

Included with the autoloader is a power cord, SCSI cable, LVD SCSI terminator, installation guide, and product manual. Plus, all models come with HP OpenView Storage Data Protector software, Single Server Edition for Microsoft® Windows® 2000/NT/2003/XP. A separate accessory kit is available for rack-mounting the unit. The 1/8 Tape Autoloader is an out of the box complete solution at an affordable price.

## What's new

Supports the new high-performance SDLT 320 tape drive in the 1/8 Tape Autoloader platform

## Key features and benefits

- **Affordable:** Automates the backup process at a price comparable to standalone drives
- **High Capacity:** Stores up to 1.6 TB (native) of data with Ultrium 460 technology
- **Reliable:** Provides consistent backup and automatically changes tapes
- **Rack-optimized:** Occupies minimum rack space
- **Efficient:** Allows IT resources performing manual backups to work on other critical tasks
- **Compact:** Holds eight cartridges and one drive in 2U of space
- **Evolutionary:** Provides easy transition from standalone tape into automated tape backup
- **Compatible:** works with leading servers, operating systems, and backup software
- **Investment protection:** SDLT 320 version is backwards read compatible with media written by DLT 4000, DLT 7000, DLT 8000, DLT1 and DLT VS80 drives; backwards read/write compatible with media written by SDLT 220 drives
- **Diverse:** Supports Ultrium 460, Ultrium 230, SDLT 320 and DLT VS80 drive technologies

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<b>Capacity</b>	<p>8 data cartridge slots</p> <p>Ultrium 460 drive: 1.6 TB (native); 3.2 TB (compressed)</p> <p>SDLT 320 drive: 1.28 TB (native); 2.56 TB (compressed)</p> <p>Ultrium 230 drive: 800 GB (native); 1.6 TB (compressed)</p> <p>DLT VS80 drive: 320 GB (native); 640 GB (compressed)</p>
<b>Cleaning cartridges</b>	<p>Ultrium 460 drive: Ultrium cleaning cartridge</p> <p>SDLT 320 drive: SDLT cleaning cartridge</p> <p>Ultrium 230 drive: Ultrium cleaning cartridge</p> <p>DLT VS80 drive: DLT1/VS cleaning cartridge</p>
<b>Form factor</b>	2U
<b>Interface</b>	<p>Ultrium 460 drive: SCSI Ultra3 (68-pin high density)</p> <p>SDLT 320 drive: SCSI Ultra2 (68-pin high density)</p> <p>Ultrium 230 drive: SCSI Ultra2 (68-pin high density)</p> <p>DLT VS80 drive: SCSI Ultra2 (68-pin high density)</p>
<b>Media type</b>	<p>Ultrium 460 drive: Ultrium 400 GB data cartridge</p> <p>SDLT 320 drive: SDLT 220/320 GB data cartridge</p> <p>Ultrium 230 drive: Ultrium 200 GB data cartridge</p> <p>DLT VS80 drive: DLTape IV data cartridge</p>
<b>Performance</b>	<p>Ultrium 460 drive: 30 MB/s = 108 GB/hr (native); 60 MB/s = 216 GB/hr (compressed)</p> <p>SDLT 320 drive: 16 MB/s = 57.6 GB/hr (native); 32 MB/s = 115.2 GB/hr (compressed)</p> <p>Ultrium 230 drive: 15 MB/s = 54 GB/hr (native); 30 MB/s = 108 GB/hr (compressed)</p> <p>DLT VS80 drive: 3 MB/s = 10.8 GB/hr (native); 6 MB/s = 21.6 GB/hr (compressed)</p>
<b>Supported drives</b>	Ultrium 460, SDLT 320, Ultrium 230, DLT VS80
<b>Mean swaps between failure (MSBF)</b>	250,000
<b>Temperature range</b>	<p>Operating: 50° to 95° F (10° to 35° C)</p> <p>Shipping: -40° to 149° F (-40° to 60° C)</p>
<b>Humidity range</b>	<p>Operating: 20% to 80%</p> <p>Shipping: 10% to 90%</p>
<b>Nominal voltage</b>	<p>120 VAC @ 50/60 Hz</p> <p>240 VAC @ 50/60 Hz</p>
<b>Voltage tolerance range (VAC)</b>	<p>110 to 120 VAC / 220 to 240 VAC</p> <p>56 Watts (max)</p>
<b>Frequency tolerance range (Hz)</b>	47 Hz to 63 Hz
<b>Dimensions (HxWxD)</b>	3.34 x 16 x 24 in (8.5 x 41.9 x 61.7 cm)
<b>Weight</b>	22 lb (10 kg)
<b>Safety</b>	<p>IEC 60950</p> <p>EMC: CISPR 22/class B, CISPR 24</p> <p>Country Regulatory Compliance: For country specific compliance contact your local HP sales representative</p> <p>Product Regulatory Series #: BRSLA-0203 (possible second series number)</p>
<b>Compatibility</b>	<a href="http://www.hp.com/go/ebs">www.hp.com/go/ebs</a>
<b>Related products</b>	<p>HP ProLiant servers (<a href="http://www.hp.com/go/servers">www.hp.com/go/servers</a>)</p> <p>HP Integrity servers (<a href="http://www.hp.com/go/servers">www.hp.com/go/servers</a>)</p> <p>HP tape storage media (<a href="http://www.hp.com/go/storagemedia">www.hp.com/go/storagemedia</a>)</p>

## HP StorageWorks 1/8 Tape Autoloader



Product number	Product name	Description
AA927A	1/8 Ultrium 460 Tape Autoloader*	One drive, eight slot autoloader containing an Ultrium 460 drive
AA926A	1/8 SDLT 320 Tape Autoloader*	One drive, eight slot autoloader containing a SDLT 320 drive
C9572CB	1/8 Ultrium 230 Tape Autoloader*	One drive, eight slot autoloader containing an Ultrium 230 drive
C9264CB	1/8 DLT VS80 Tape Autoloader*	One drive, eight slot autoloader containing a DLT VS80 drive

**Required power cord options\***

#ABA	U.S. power cord
#ABB	Europe power cord
#ABG	Australia power cord
#ABU	United Kingdom power cord
#AC3	No power cord
#ACD	Switzerland power cord
#ACE	Denmark power cord
#ACF	Japan power cord
#ACQ	South Africa power cord
#AKJ	Israel power cord
#AKM	China power cord
#AKY	Latin America power cord
#ARB	Taiwan power cord

\* Please specify which power cord option you would like when ordering the tape autoloader unit

**WARNING:** This product can ONLY be used with an HP approved power cord for your specific geographic region.

Use of a non-HP approved power cord may result in:

1. Not meeting individual country specific safety requirements.
2. Insufficient conductor ampacity that could result in overheating with potential personal injury and/or property damage.
3. An unapproved power cord could fracture resulting in the internal contacts being exposed, which potentially could subject the user to a shock hazard.

HP disclaims all liability in the event a non-HP approved power cord is used.

<b>Media supplies</b>	C7972A – HP Ultrium 400 GB Data Cartridge C7971A – HP Ultrium 200 GB Data Cartridge C7978A – HP Ultrium Universal Cleaning Cartridge C7980A – HP SDLT 220/320 GB Data Cartridge x C7982A – HP SDLT Cleaning Cartridge C5141F – HP DLT IV Data Cartridge C7998A – HP DLT1/VS80 Cleaning Cartridge
<b>Accessories</b>	C9268R – HP StorageWorks 1/8 Tape Autoloader Rack Kit

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**What's included**

One drive, eight slot tape autoloader; one region-specific power cord; one 1.9 meter 68-pin HDTS to 68-pin HDTS cable; one Low Voltage Differential (LVD) SCSI terminator; documentation kit including manual (CD), quick start poster and HP OpenView Storage Data Protector software flier (with downloading instructions).

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**Warranty and support**

1-year parts exchange

Same day response:

U6364A/E – Warranty upgrade to 1-year, 13x5, 4 hour response/onsite

U6365A/E – Warranty upgrade to 1-year, 24x7, 4 hour response/onsite

H5526A/E – Warranty upgrade to 3-year, 13x5, 4 hour response/onsite

H4624A/E – Warranty upgrade to 3-year, 24x7, 4 hour response/onsite

Next business day response:

H2698A/E – Warranty upgrade to 3-year next business day/parts exchange

H4619A/E – Warranty upgrade to 3-year next business day/onsite

Service options:

U2090A/E – Installation services

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**For more information**

For more information on HP StorageWorks tape automation, contact any of our worldwide sales offices or visit: [www.hp.com/go/automation](http://www.hp.com/go/automation)

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