

HP StorageWorks 1/8 G2 Tape Autoloader

Product Brief



The HP StorageWorks 1/8 G2 Tape Autoloader provides an ideal entry-point to automated backup by combining up to 6.4 TB* of compressed storage capacity with sophisticated tape library features in a compact 1U form factor.

The HP StorageWorks 1/8 G2 Tape Autoloader provides cost-effective, high density automated backup as a perfect entry point to unattended backup for small and medium businesses, workgroups or remote offices. With a compressed capacity of up to 6.4 TB* using an Ultrium 920 Tape Drive, the 1/8 G2 Tape Autoloader provides complete peace of mind. No more struggling to remember to change tapes or start backup programs.

The 1/8 G2 Tape Autoloader is available with a choice of LTO tape drives including an Ultrium 920 or Ultrium 448 or Ultrium 232 Tape Drive and holds up to eight data cartridges for a weeks worth of backup. In addition your media can now be more easily managed with the standard bar code reader and two 4-slot removable magazines.

Designed in a compact 1U form factor, the HP StorageWorks 1/8 G2 Tape Autoloader is equally at home in a data center rack or on a desk top next to the office server. The autoloader can be used as either direct-attached backup for multiple servers, or across a LAN with simplified remote management through a browser-based interface reducing dependencies on local IT staff.

The HP StorageWorks 1/8 G2 Tape Autoloader delivers:

- **Value** – by packing the maximum amount of storage into the minimum amount of space. Using the 1/8 G2 Autoloader with a HP StorageWorks Ultrium 920 tape drive enables up to 6.4 TB* of compressed capacity in a 1U form factor.
- **Simplicity** – an easy transition from standalone tape to automated backup solution for IT staff. This transition is supported by additional library functionality including a standard bar code reader to facilitate managing and tracking media, and an integrated web-based remote management interface to eliminate the need for IT resources to be located on site.
- **Agility** – in storage and movement of data. The autoloader includes two removable 4-slot magazines for bulk loading of media. The magazine also provides a convenient bulk storage unit for moving media offsite. Each autoloader includes one user-configurable mail slot for dedicated import/export of media cartridges.

The HP StorageWorks 1/8 G2 Tape Autoloader delivers best in class footprint storage capacity and includes the advanced features of a bar code reader and web-based remote management capabilities

Features and Benefits

Greater value – providing up to 6.4 TB* of compressed storage capacity in a 1U form factor enables exceptional storage density without consuming valuable rack space. Choose from a range of 1/8 G2 autoloader models to suit your storage needs and budget:

- Up to 6.4 TB* compressed capacity using Ultrium 920
- Up to 3.2 TB* compressed capacity using Ultrium 448
- Up to 1.6 TB* compressed capacity using Ultrium 232

The HP StorageWorks 1/8 G2 Tape Autoloader comes as a complete solution with HP StorageWorks Data Protector Express, Single Server Edition for Windows/Linux/NetWare.

Simple to use, easy to manage – the 1/8 G2 autoloader provides an ideal transition from stand-alone to automated tape backup. By automatically changing tapes, manual intervention is minimized and operating errors are reduced, enabling more reliable and consistent backups. An integrated web-based remote management capability allows a remote administrator to control, configure, monitor and troubleshoot the device, eliminating the need for costly on-site IT resources.

Agility in storage and movement of data – each autoloader includes a user-configurable mail slot for the import/export of media cartridges. The autoloader also includes two removable 4-slot magazines for bulk loading of media and a convenient bulk storage unit for moving media off-site. A standard bar code reader provides faster inventory times and facilitates the tracking of media.

Reduced installation time – the 1/8 G2 autoloader is delivered as rack-ready for quick installation in a standard 19" rack with the purchase of a separate rack kit. A set of rubber feet is provided in the autoloader box to enable use on a desktop; however for additional rigidity in this environment the purchase of a rack-to-tabletop conversion kit is recommended.

Customer serviceable and replaceable components – the easy to manage modular design of the 1/8 G2 autoloader allows for quick service or repair of units to reduce downtime and maximize efficiency.

Investment protection – benefit from a straightforward upgrade path as your storage capacity and performance needs grow by interchanging 1/8 G2 Tape Autoloader drives into a HP StorageWorks MSL2024 or MSL4048 Tape Library.

* = using a typical 2:1 data compression ratio

HP StorageWorks 1/8 G2 Tape Autoloader



Tape drives supported	Ultrium 920	Ultrium 448	Ultrium 232
Number of drives supported	One	One	One
Maximum capacity (compressed 2:1)	6.4 TB	3.2 TB	1.6 TB
Maximum sustained transfer rate (compressed 2:1)	432 GB/hr	172.8 GB/hr	115.2 GB/hr
Interface	Ultra320 LVD/SE SCSI	Ultra160 LVD/SE SCSI	Ultra160 LVD/SE SCSI
Number of cartridge slots	8		
Form Factor	1U		
Mount type	Rack-mount and tabletop; unit delivered ready for rack-mount (rack kit purchased separately, see below), rubber feet included in the box for tabletop configuration		
Warranty	One-year parts exchange, next business day		
Recommended media	For information on recommended HP Storage Media, please visit: www.hp.com/go/storagemedia		

Ordering Information

Product number/SKU	Product name	Description
AH163A	HP StorageWorks 1/8 G2 Ultrium 232 Tape Autoloader	One Ultrium 232 drive, 8 slot tape autoloader
AH164A	HP StorageWorks 1/8 G2 Ultrium 448 Tape Autoloader	One Ultrium 448, 8 slot tape autoloader
AH165A	HP StorageWorks 1/8 G2 Ultrium 920 Tape Autoloader	One Ultrium 920, 8 slot tape autoloader
AH163/4/5#0D1	Factory integrated	Integrates the 1/8 G2 Tape Autoloader in a rack with other HP products

Options

AH166A	HP 1/8 G2 Tape Autoloader Rack Kit	Required to install the unit in a standard 19-inch rack; includes rails and rackmount instructions
AH167A	HP 1/8 G2 Right Magazine Kit	For use only on the right side of the 1/8 G2 Tape Autoloader; additional 4-slot magazine
AH199A	HP 1/ 8 G2 Rack-to-Tabletop Conversion Kit	For use in converting the rack-ready 1/8 G2 Tape Autoloader into a structurally rigid and fully enclosed tabletop model; maximum load up to 33 pounds (15 kgs)
AB469A	HP Factory Rackmount Shelf Kit	Removable shelf required to safely ship the 1/8 G2 Tape Autoloader safely via the factory integration option (#0D1)

What's included

HP StorageWorks 1/8 G2 Tape Autoloader unit; 2.5m VHDCI to HDTS68 SCSI cable; RJ-45 Ethernet cable; HDTS68 SCSI terminator; set of six rubber feet (for desktop use); HP StorageWorks Data Protector Express, Single Server Edition for Windows/Linux/NetWare CD (with download instructions); product documentation including User and Service Guide (CD), and Getting Started Poster

HP Service and Support

HP Warranty

The HP StorageWorks 1/8 G2 Tape Autoloader includes 1-year, next business day, parts exchange.

For more information about HP's Global Limited Warranty and Technical Support, visit:

www.hp.com/products/storageworks/warranty

HP Care Pack services

HP Care Pack Services offer upgraded service levels to extend and expand your standard product warranty with easy-to-buy, easy-to-use support packages that help you make the most of your hardware and software investments. They let you choose the support levels that meet your business requirements, from basic to mission critical. They help you contain total cost of ownership.

HP Care Pack warranty extensions can be purchased along with HP products to cost-effectively upgrade or extend your warranty. For many products, post-warranty HP Care Pack Services are available when your original warranty has expired. For more information on these services, contact your local HP representative, authorized HP business partner, or visit: www.hp.com/go/storage/carepacks

Additional HP support services

HP Services provides a broad spectrum of services to commercial and enterprise customers, including performance and availability services such as proactive mission-critical services, as well as support management services for deployment of the entire IT infrastructure, including HP and multi-vendor environments.

For more information on these services, contact your HP representative, authorized HP business partner or visit: www.hp.com/hps/storage

Education services

HP offers a variety of training methods to fit your needs including traditional instructor-led courses at one of our 120 training centers worldwide, onsite training customized to your needs, in your facility, or even Remotely Assisted Instruction Learning that combines the best of traditional classroom training (including its live instructor and labs) with the best of online training (no traveling required). And if you like learning on your own schedule, at your own pace, make use of e-learning opportunities on the award-winning HP IT Resource Center, a "learning community" with extensive on-demand resources that can be accessed 24x7. For more information on these services, contact your HP representative, authorized HP business partner, or visit:

<http://education.hp.com/curr-storsan.htm>

Financial services

HP Financial Services provides innovative financing and financial asset management programs to help customers cost-effectively acquire, manage, and ultimately retire their HP solutions. For more information on these services, please contact your HP representative or visit:

www.hp.com/go/hpfinancialservices

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For more information visit www.hp.com/go/tape

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