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HPE Storage Rack-mount Kits QuickSpecs

Protect Data in Rack Server Environments Storage

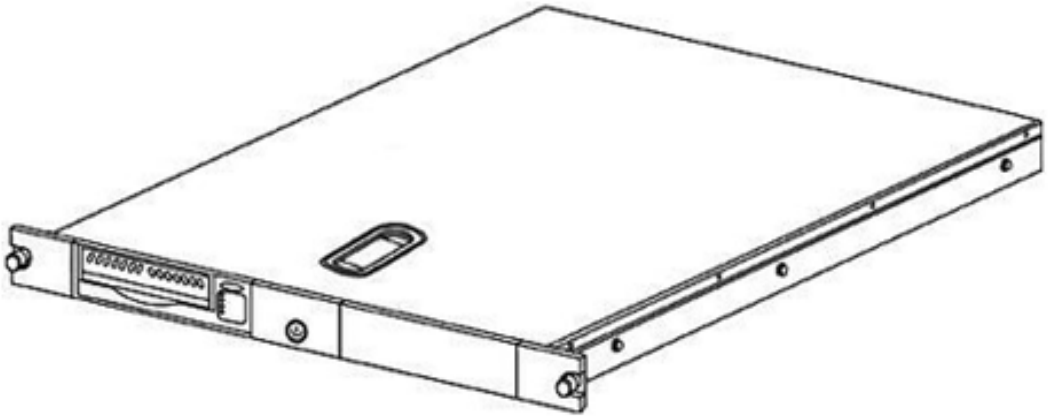
Protect critical data while maximizing efficiency in rack server environments. HPE Storage Rack-mount Kits provide a cost-effective, rack-mountable enclosure designed to ensure secure, stable installation of HPE LTO-8 and LTO-9 drives. Scalable to meet growing storage needs, they deliver a reliable, budget-friendly solution for organizations seeking to protect data and expand capacity with confidence.

Overview

The HPE Storage Rack-mount Kits provide a high-density, rack-mountable tape drive enclosure for SAS backup and archiving applications. Because these enclosures use standard internal tape drives, they provide a cost-effective means of mounting tape drives in rack server environments. These enclosures provide customers with scalability, allowing the customer to add drives and migrate to new tape drive technologies as their capacity and performance needs grow. HPE Rack-mount Kits are supported by ProLiant, HPE Integrity, and Apollo platforms.

1U Rack-mount Kit

The 1U Rack-mount Kit is available with a SAS interface. The 1U SAS enclosure supports up to two LTO-8 Ultrium 30750 or LTO-9 Ultrium 45000 tape drives with a maximum capacity of 90 TB when using two LTO-9 Ultrium 45000 SAS drives (assuming 2.5:1 data compression).



HPE 1U Rack-mount Kit

What's New

- The HPE Smart Choice Purchase Program offers a pre-configured, rack-mount drive solution, including a rack-mount kit with an LTO-8 or LTO-9 SAS Tape Drive and five coordinating data cartridges.

Standard Features

Key Features

1U Rack-mount Kit

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- Supports up to two, in any combination, LTO-8 Ultrium 30750 or LTO-9 Ultrium 45000 tape drives
- Provides up to 90 TB of storage capacity (assuming 2.5:1 compression) using two LTO-9 Ultrium 45000 drives
- Data transfer rates up to 600 MB/sec (native) using two LTO-9 Ultrium 45000 drives. Latching switch for the 1U rack allows for auto restart after power has been interrupted and restored
- Supports up to two separate SAS channels for connectivity to two separate servers or two separate HBA ports
- SAS interface supported with Mini SAS HD (SFF-8644) and Mini SAS (SFF-8088) cables.

Customer Benefits

- Small footprints allow the customer to consolidate external storage needs within a high-density form factor.
- Scalability allows customers to add tape drives and/or migrate to new tape drive technologies, ensuring their capacity and performance needs evolve with changing storage demands
- Support of multiple generations of tape drive technologies, which reduces risk and protects customers' investments
- Latching switch for all 1U Rack-mount kits allows auto restart after power has been interrupted and restored
- Affordable pricing allows customers to match their level of investment in storage to their current and future business needs
- Thoroughly tested and qualified with HPE ProLiant, HPE Integrity and Apollo platforms and industry leading software, resulting in easier installation and fewer problems.

1U Rack-mount Kit	
Maximum Capacity (compressed)	90 TB (with 2xLTO-9 SAS)
Maximum Number of Drives	2 half-height
Drives Supported	LTO-8 Ultrium 30750 LTO-9 Ultrium 45000
Interface	12 GB SAS (LTO-9), 6 GB SAS (LTO-8 and earlier)
High-Availability Features	None

Product Highlights

Scalability

HPE Rack-mount kits support up to two LTO tape drives in the 1U height. LTO tape drives can be added at any time, allowing flexibility to add capacity or change tape technologies.

Standard Features

Configuration Specialized 1U rack-mount cable is required

- 4m Mini SAS HD (SFF-8644)
- 4m Mini SAS (SFF-8088)

Ease-of-Use Features

HPE Rack-mount kits include features designed to provide easier access and management of installed LTO tape drives. The cover is easily unlatched and removed for ease of access. Each unit also includes two slide-out drive trays that allow for easy removal of the internal LTO tape drives through the top access cover. An LED on the front panel indicates when the power is on.

Compatibility and Integration Testing

HPE Rack-mount Kits use in-house technology, which ensures the customer of full compatibility with HPE ProLiant, Integrity and Apollo platforms. Hewlett Packard Enterprise thoroughly tests products with leading backup software and operating systems.

HPE Rack-mount Kits are supported on the following classes of HPE systems

- HPE ProLiant servers
- HPE Integrity servers
- HPE Apollo servers

Connecting the Rack-mount Kit may require the use of a secondary controller, host bus adapter, or Smart Array controller. For the latest hardware compatibility information regarding which tape drive models work with which systems, including third-party systems, visit: HPE Storage Single Point of Connectivity Knowledge - SPOCK .

OS Support

Operating system compatibility will depend on the drives used in the rack enclosure. For the latest list of servers, operating systems, and backup software that support HPE tape drives, check the tape drive backup compatibility pages on our web site at: HPE Storage Single Point of Connectivity Knowledge - SPOCK

Software Support

Backup application compatibility also depends on the drives used in the Rack-mount Kit. For the latest list of servers, operating systems, and backup software that support HPE tape drives , check the tape drive backup compatibility pages on our web site at: HPE Storage Single Point of Connectivity Knowledge - SPOCK

Service and Support

For the most up-to-date information on HPE Services, please refer to the HPE Services – Supplemental QuickSpecs, which provides a comprehensive and regularly updated overview of available services.

Configuration Information

Notes: When ordering this product factory racked, drives cannot be added in the factory. Drives can be installed by the local installation team or the customer.

Step 1: 1U Rack-mount Kit

Description	SKU
HPE StoreEver 1U Generic Rack Mount Kit	BC029A

Notes:

- Rack-mountable enclosure (1U) with power supply, fans, power cord, quick deploy rail kit including sliding universal rails for HPE G2 Enterprise Series, Enterprise Series, G2 Advanced Series, Advanced Series, Standard Series, and other HPE square hole or round hole racks. Quick release levers for fast and easy serviceability and in-rack tool-less access.
- #0D1 will appear after the part number on the sales order if HPE factory integration is indicated.

Step 2: Cables

Select each required option with quantities specified.

Cable

Description	SKU
HPE 12Gb Mini SAS High Density (SFF-8644) to LTO Drive 4m Cable for 1U Rack Mount Kit	P35174-B21
HPE StoreEver 4m Mini SAS HD (SFF-8644) LTO Drive Cable for 1U Rack Mount Kit	876805-B21
HPE StoreEver 4m Mini SAS (SFF-8088) LTO Drive Cable for 1U Rack Mount Kit	876804-B21

Step 3: Additional/Related Options

Select each required option with quantities specified.

Notes: The following is a list of additional/related options. Some may be discontinued.

Tape Drives

Description	SKU
HPE StoreEver LTO-8 Ultrium 30750 Internal Tape Drive	BC022A

Notes: Requires HPE StoreEver 1U Rack-mount kit 4 meter Mini SAS HD (SFF-8644) Cable for LTO drive or HPE StoreEver 1U Rack Mount 4m Mini SAS (SFF-8088) cable for LTO Drive.

HPE StoreEver LTO-9 Ultrium 45000 Internal Tape Drive	BC040A

Notes: Requires HPE StoreEver 4m Mini SAS HD (SFF-8644) LTO Drive 12 GB Cable for 1U Rack Mount Kit

Configuration Information

Media

Description	SKU
HPE LTO-5 Ultrium 3TB RW Data Cartridge	C7975A
HPE LTO-6 Ultrium 6.25TB RW Data Cartridge	C7976A
HPE LTO-7 Ultrium 15TB RW Data Cartridge	C7977A
HPE LTO-7 Ultrium WORM Data Cartridge	C7977W
HPE LTO-8 Ultrium 30TB RW Data Cartridge	Q2078A
HPE LTO-8 Ultrium 30TB WORM Data Cartridge	Q2078W
HPE LTO-9 Ultrium 45TB RW Data Cartridge	Q2079A
HPE Ultrium Universal Cleaning Cartridge	C7978A

Host Bus Adapters, Controllers, and Accessories for ProLiant Servers

SAS Controllers

Description	SKU
HPE Smart Array E208e-p SR Gen10 (8 External Lanes/No Cache) 12G SAS PCIe Plug-in Controller	804398-B21

Notes:

- Recommended SAS HBA for connecting LTO Ultrium tape drives to Gen 11 ProLiant servers.
- Recommended SAS HBA for connecting LTO Ultrium tape drives to Gen10 ProLiant servers.
- Recommended SAS HBA for connecting LTO Ultrium tape drives to Gen9 ProLiant servers.

HPE Smart Choice purchase program

The HPE Smart Choice purchase program features popular fully configured products that can be quoted in minutes and shipped quickly through HPE Authorized Partners. Products are configured and tested in an HPE factory and stocked at HPE Authorized Distributors and Partners. The products arrive in a single box, making onsite integration easier and more efficient for partners and customers. Additionally, there are aggressively priced HPE Tech Care Services available only through the HPE Smart Choice program when you purchase an HPE Smart Choice product.

For HPE Smart Choice configuration and product details, please visit the:
HPE Smart Choice Purchase Program – Supplemental QuickSpecs

Pre-Configured models ship with the configurations below.

- Pre-Configured models ship with the configurations below. Options can be selected from the Core or Additional Options section of this QuickSpecs
- Hewlett Packard Enterprise does not allow factory integration of options into pre-configured models. Any additional options purchased will not be shipped inside the server

Configuration Information

Part Description	Model Name	SKU Number
(1) HPE StoreEver 1U Generic Rack-mount kit (1) HPE StoreEver LTO-8 Ultrium 30750 Internal Tape Drive (1) HPE StoreEver 1U Rack-mount kit HD SAS Cable (5) HPE LTO-8 Ultrium RW Bar Code Label Pack	HPE Storage LTO-8 Ultrium Rack-mount Tape Drive 6x LTO-8 30TB Data Cartridges	P77033-B25
(1) HPE StoreEver 1U Generic Rack-mount kit (1) HPE StoreEver LTO-9 Ultrium 45000 Internal Tape Drive (1) HPE StoreEver 1U Rack-mount kit HD SAS Cable (5) HPE LTO-9 Ultrium RW Bar Code Label Pack	HPE Storage LTO-9 Ultrium Rack-mount Tape Drive 6x LTO-9 45TB Data Cartridges	P77034-B25

Technical Specifications

1U Rack-mount					
Dimensions	**Form Factor**	**1U - Rack-mount**			
	Physical (HxWxD)	1.7 x 19 x 25.3 in (4.32 x 42.88 x 64.14 cm)			
	Shipping (HxWxD)	12.0 x 23.5 x 33.5 in (30.48 x 59.69 x 85.09 cm)			
Weight	**Out of box**	19.0 lb (8.6 kg) **Notes:** The 1U Rack-mount enclosure can be configured with a number of different LTO tape drive generations. It also supports different interfaces, HW and cable differences that affect the final weight of the product. The weight indicated in this document is a general guideline, and final weight may vary slightly.			
	Shipping	25 lb (11.3 kg) approximately 34 lb			
Interface	**SAS Interface**	6 GB and 12 GB SAS			
Power Specifications	**Power Requirements**	140 Watts, max 100 to 240 Vrms Nominal Line Voltage 90 to 264 Vrms Range Line Voltage 50/60 Hz 2.2/1.1 A max Input Current (@120 VAC)			
Environmental Specifications	**Temperature**	**Operating**	50° to 95° F (10° to 35° C)		
		Storage	-22° to 140° F (-30° to 60° C)		
	Non-Condensing Humidity	**Operating**	20% to 80%		
		Storage	10% to 90%		
Drives Supported	**1U Rack-mount**	**Capacity** (native)	**Capacity** (Compressed)	**Transfer rate** (native)	**Form Factor**
	LTO-8 Ultrium 30750 SAS	12 TB	30 TB	300 MB/s	Half-Height
	LTO-9 Ultrium 45000 SAS	18 TB	45 TB	300 MB/s	Half-Height
Max Number of drives	**1U Rack-mount**	Two half-height internal drives	N/A	N/A	N/A
LED Indicators	**1U Rack-mount**	Power Supply	N/A	N/A	N/A
Cable	**Total Cable Length**		**Cable Length at the rear of the 1U rack-mount kit**		
Mini SAS	4.57 m		4 m		

Summary of Changes

Date	Version History	Action	Description of change
03-Aug-2026	Version 93	Changed	Overview, Configuration Information, Standard Features, and Technical Specifications sections were updated. Added HPE Smart Choice Purchase Program information, including new pre-configured LTO-8 and LTO-9 rack-mount tape drive solutions. Marketing and configuration content was refreshed and aligned with the current HPE tape storage portfolio
		Removed	Obsolete or not supported SKUs removed – BB873A
03-Nov-2025	Version 92	Changed	Configuration Information section was updated – Minimal wording updates were added. HPE Rebranding FY25 was applied.
28-Jul-2025	Version 91	Changed	Configuration Information section was updated - Pre-Configured Tape Storage HPE Smart Choice purchase program information was updated.
05-May-2025	Version 90	Changed	Overview, Standard Features, Configuration Information and Technical Specifications sections were updated. Branding updates and removal of RDX
02-Dec-2024	Version 89	Changed	Overview, Standard Features, Configuration Information and Technical Specifications sections were updated.
07-Oct-2024	Version 88	Changed	Overview, Standard Features, Service and Support, Configuration Information and Technical Specifications sections were updated. Removing LTO-5 and LTO-6 Drives
04-Dec-2023	Version 87	Changed	HPE Services Rebranding
10-Jan-2022	Version 86	Changed	Overview, Standard Features, Configuration Information and Technical Specifications sections were updated.
01-Nov-2021	Version 85	Changed	Service and Support section was updated.
05-Oct-2020	Version 84	Changed	Changes made to the entire document
06-Apr-2020	Version 83	Changed	QuickSpecs layout was updated and Obso SKUs were removed
02-Apr-2018	Version 82	Changed	Features, Product Highlights, Configuration Information, and Technical Specifications were revised.
05-Feb-2018	Version 81	Changed	Overview, Features, Product Highlights, Configuration Information, and Technical Specifications were revised.
04-Dec-2017	Version 80	Changed	Included LTO-8 and RDX 4 TB support
23-Oct-2017	Version 79	Changed	Care Pack naming and Service and Support- Parts and Materials updated
04-Sept-2017	Version 78	Changed	Changes made to the entire document
11-Jul-2017	Version 77	Changed	Removed LTO-3 & Full-Height references
30-Sept-2016	Version 76	Changed	Updated out of box weight and added disclaimer
11-Mar-2016	Version 75	Changed	Removed OBS RDX SKU's and added updated/higher capacity SKU for 2 TB
15-Jan-2016	Version 74	Changed	Removed SCSI references, DAT references, 3U rack and included LTO-7
13-Feb-2015	Version 73	Changed	Updated the Technical Specifications section. Obsolete SKUs removed.

Summary of Changes

Date	Version History	Action	Description of change
18-Jul-2014	Version 72	Changed	Key Features - 3U SCSI Rack-mount Kit – changed 3.2 TB to 6.4 TB and removed "two LTO 4 Ultrium 1840 or 6.4 TB with" and removed "LTO 3 Ultrium 960 and LTO 4 Ultrium 1840"; Family Comparison table – 3U Rack-mount Kit – drives supported – removed LTO 4 Ultrium 1840; Configuration Information – Pre-configured models – removed AG594C, DW028D and EH926B; Step 2 – Additional/Related Options – removed Q1587B, EH853B and EH960B; USB Cable Kit – removed section and 396114-B21; Technical Specifications – Drives Supported – 1U and 3U Rack-mount – removed DAT 160 SAS information;
25 Apr 2014	Version 71	Changed	3-Year HPE Support Plus 24 paragraph for a new one
18-Mar-2014	Version 70	Changed	Changes were made throughout
13-Sep-2013	Version 69	Changed	Changes were made throughout
05-Apr-2013	Version 68	Changed	Changes were made throughout
29-Mar-2013	Version 67	Changed	Changes were made throughout
18-Jan-2013	Version 66	Changed	Changes were made throughout
05-Oct-2012	Version 65	Changed	Changes were made throughout
13-Aug-2012	Version 64	Changed	Changes were made throughout
06-Jan-2012	Version 63	Changed	Changes were made throughout
02-Dec-2011	Version 62	Changed	Changes were made throughout
02-Dec-2011	Version 61	Changed	Changes were made throughout
08-Jun-2011	Version 60	Changed	Changes were made throughout
12-Nov-2010	Version 59	Changed	Changes were made throughout
27-Sep-2010	Version 58	Changed	Changes were made throughout
29-Mar-2010	Version 57	Changed	Changes were made throughout
11-Dec-2009	Version 56	Changed	Changes were made throughout
16-Oct-2009	Version 55	Changed	Changes were made throughout
12-Jun-2009	Version 54	Changed	Changes were made throughout
01-Dec-2008	Version 53	Changed	Changes were made throughout
17-Nov-2008	Version 52	Changed	Changes were made throughout
22-Sep -2008	Version 51	Changed	Changes were made throughout
18-Jul-2008	Version 50	Changed	Changes were made throughout
16-Jun-2008	Version 49	Changed	Changes were made throughout
28-Mar-2008	Version 48	Changed	Changes were made throughout
15-Feb-2008	Version 47	Changed	Changes were made throughout
30-Nov-2007	Version 46	Changed	Changes were made throughout
12-Nov -2007	Version 45	Changed	Changes were made throughout
01-Aug-2007	Version 44	Changed	Changes were made throughout
29-Jun-2007	Version 43	Changed	Changes were made throughout
19-Jun-2007	Version 42	Changed	Changes were made throughout
08-Jun-2007	Version 41	Changed	Changes were made throughout
14-May-2007	Version 40	Changed	Changes were made throughout
23-Mar-2007	Version 39	Changed	Changes were made throughout

Summary of Changes

Date	Version History	Action	Description of change
09-Mar-2007	Version 38	Changed	Changes were made throughout
02-Feb-2007	Version 37	Changed	Changes were made throughout
26-Jan-2007	Version 36	Changed	Changes were made throughout
20-Nov-2006	Version 35	Changed	Changes were made throughout
13-Nov-2006	Version 34	Changed	Changes were made throughout
12-Sep -2006	Version 33	Changed	Changes were made throughout
04-Aug -2006	Version 32	Changed	Changes were made throughout
13-Jan-2006	Version 31	Changed	Changes were made throughout
02-Jan-2006	Version 30	Changed	Changes were made throughout
07-Oct-2005	Version 29	Changed	Changes were made throughout
26-Sep-2005	Version 28	Changed	Changes were made throughout
27-Jun-2005	Version 27	Changed	Changes were made throughout
29-Apr-2005	Version 26	Changed	Changes were made throughout
28-Mar-2005	Version 25	Changed	Changes were made throughout
15-Feb-2005	Version 24	Changed	Changes were made throughout
30-Dec-2004	Version 23	Changed	Changes were made throughout
03-Nov-2004	Version 22	Changed	Changes were made throughout
01-Nov-2004	Version 21	Changed	Additional Options: Updated Rail Kits in the HPE Rack Options section. Configuration Information: Added a NOTE to the HPE Power Supplies section. Core Options: Added 695510-B21 to HPE Hard Drives, 717491-B21 to HPE Networking, 684539-B21 and a note to HPE Power supplies, 728593-B21 to HPE Graphic Options. Additional Options: HPE PCIe Workload Accelerator Options complete section, HPE Basic Power Distribution Units complete section. Additional Options: Removed 641027-B21, 600279-B21 and 600282-B21 from the HPE I/O Accelerator Options.
01-Sep-2004	Version 20	Changed	Changes were made throughout
03-May-2004	Version 19	Changed	Image correction
07-Apr-2004	Version 18	Changed	Maximum initiators supported was revised in the overview chart
22-Mar-2004	Version 17	Added	Added the missing image to Step 1
17-Feb-2004	Version 16	Changed	Overview and Configuration were revised
14-Jan-2004	Version 15	Removed	Removed a Note from Configuration Information and Additional Options sections.
05-Sep-2003	Version 14	Changed	Changes were made throughout
04-Aug-2003	Version 13	Changed	Changes were made throughout
22-Jul-2003	Version 12	Changed	Changes were made throughout
25-Jun-2003	Version 11	Changed	Changes were made throughout
28-Feb-2003	Version 10	Changed	Changes were made throughout
21-Aug-2002	Version 9	Changed	Changes were made throughout
07-Aug-2002	Version 8	Changed	Changes were made throughout
15-Mar-2002	Version 7	Changed	Changes were made throughout

Summary of Changes

Date	Version History	Action	Description of change
26-Feb-2002	Version 6	Changed	Changes were made throughout
27-Nov-2001	Version 5	Changed	Changes were made throughout
18-Sep-2001	Version 4	Changed	Changes were made throughout
20 Jul 2001	Version 3	Changed	Changes were made throughout
16 Jul 2001	Version 2	Changed	Updated operating temperature range as requested by engineering from 5-40C to 10-35C
08-May-2001	Version 1	New	New QuickSpecs

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