Data Sheet

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PRIMERGY LTO3 Ultrium half-height Tape Drive

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The PRIMERGY LTO3 Ultrium half-height offers great storage capacity in the compact form factor

Thanks to its great storage capacity, small form factor and restoration and a data transfer rate of up to 120 MB/s, the LTO3 half-height tape drive is the ideal storage medium for entry level and midrange servers..

- The LTO3 Ultrium half-height offers a large storage capacity of up to 800 GB and data transfer at 120 MB/s, thus fulfilling all standards in terms of capacity and performance
- Half-height form factor saves space and fits in a wide variety of servers
- The LTO3 tape drive is a cost-efficient medium for backup, restore and archiving purposes
- Investment protection thanks to read/write compatibility with previous LTO Ultrium generations.
- Improvements in the third generation with WORM (Write Once Read Many) functionality

With the third generation of the LTO (Linear Tape Open) half-height drive, we are offering an innovative product with dual mode compression, dynamic data rate matching and a 128 MB memory. The result: nearly tripled the performance of the predecessor model with half-height form factor. The LTO3 also boasts twice the capacity – 800 MB a cartridge – at a data compression of 2:1, thus ensuring optimum data backup. The transfer rate of 120 MB per second also slashes data backup times. All these technical innovations make the LTO3 Ultrium tape drive an ideal medium for small and medium-sized businesses.
Obviously the new LTO3 drive offers unrestricted compatibility with the tape drive LTO3 Ultrium full-height, the predecessor generation LTO2, as well as read compatibility with LTO1.

Ultrium tape cartridges

Like the LTO tape drive technology itself, the LTO3 400/800 GB tape cartridges enable backups with high capacity, reliability and manageability.

Main features	Customer benefit
Transfer rate of up to 120 MB/s	Rapid data backup
Storage capacity of up to 800 GB	Backup of large volumes of data
Designed for high data compression, Dynamic data rate matching and a 128MB buffer	Optimum performance and capacity

Technical Data

Capacity	Uncompressed/compressed 400 / 800 GB
Interface Buffer	128 MB
Record format	Ultrium 1,2,3
System interface	Ultra320 SCSI wide (native)
Data transfer rate (burst)	Uncompressed/compressed 60 MB/s / 120 MB/s with dynamic data rate matching from 26 - 60 MB/s (native)
Cartridges	Write/read: all popular cartridge type Cleaning: Universal cleaning cartridge.
Compatible	LTO2 write/read LTO1 read
Data compression	LTO-DC dual mode compression (enhanced ALDC)
Tape Alert Support	yes
WORM Support	yes
Reliability	
MTFB (hours)	250,000 h 100% duty cycle
MCBF (Media Loads)	100,000
Hard Read Error Rate	1×10^{-17}

Formats and Data			
	LTO3	LTO2	LTO1
Capacity (GB)	400/800	200/400	100/200
Speed Write/read	5.46m/s	6.22m/s	5.34m/s
Speed Wind/Rewind	8m/s (in central of tape)		
Number of tracks	704	512	384
Media length	680m	609m	609m

Dimensions / Weight	
Height/Width/Depth Weight	4,1 x 14,5 x 20,6 cm 1,45 kg

Power supply	
Electricity consumption	
Standby typical maximum	13 Watt 20 Watt 33 Watt
Activity Input	
Standby in operation	5V/1,3A 12V/0,2A 5V/2,8A 12V/1,1A

Temperature (without media)	
Operation	10° C up to 40° C
Bearing	-40° C up to 60° C
Relative humidity operation	20% up to 80%
Relative humidity bearing	5% up to 80%

Compliance with Norm and standards	
Product safety	
Global	IEC 60950
Europe	EN 60950
USA / Canada	UL/CSA 60950
Electro magnetic compatibility	
Europe	EN 55022 Class A; EN 55024
Taiwan	-
Japan	-
Australian / New Zealand	AS/NZS CISPR 22 Class A
USA / Canada	FCC Part 15 Class A / ICES-003 Class A
Declaration of conformity	
Europe	CE (89/336/EWG; 73/23/EWG)
North America	FCC

Approvals	
Product safety	
Global	-
Europe	TÜV
Germany	TÜV
USA / Canada	ULc/us

There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons (e.g. for Canada and USA, East European countries, Norway), can be applied for on request.

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