

Data Sheet

FUJITSU PRIMERGY LTO-5 HH Ultrium Backup Tape Device

Backup and archive solution

Have you ever lost data from your computer for some unfathomable reason? Then you will know that data saved on your hard disk is not always available and secure for all times. If you want to be on the safe side, then you should save your data regularly using an external medium.

The PRIMERGY backup solutions provide reliable protection against losing data and a fast data backup combined with a large amount of storage capacity. You can choose between backup technologies, such as LTO tape drives or RDX from the latest Removable Disk technology. Each company can thus find the perfect data backup solution for its particular requirements.

Downwards compatibility with the respective predecessors is sensible not only regarding upgrades for the future but also as a secure investment.

The half-height of the current models enables you to install the drives directly into the servers and thus save space and money.

One major advantage of the LTO-5 is the encryption now offered for the first time with an Open-Systems tape drive. Normal industry standard AES-GCM-256-Bit encryption ensures that the data can also be decrypted in the years to come. This means that you will be able to utilize full performance of the drives and the compression modes.

The industry standard SAS interface ensures ease of installation and integration in your server or data center.

With its high storage capacity and transfer rate the LTO-5 offers a trend-setting safeguard for your server systems.



PRIMERGY LTO-5 HH Ultrium

For the first time, the fifth generation of the Linear Tape Open (LTO-5) tape drive offers uncompressed storage capacity of 1.5 TB per tape and a transfer rate of up to 280 MB/s. With enabled compression up to 3000 GB can be backed up on a single drive. The advantage is that the LTO-5 drive guarantees the protection of your investment by ensuring full compatibility to LTO-4 media. Furthermore, the reading of LTO-3 media is supported.

Main Features	Benefits
<ul style="list-style-type: none"> ■ Compact size as well as high transfer rates of up to 180 MB/s. ■ Energy efficient design ■ Investment protection ■ AES-GCM-256-Bit encryption 	<ul style="list-style-type: none"> ■ Fastest and smallest (half height) LTO drive for integration in all servers. ■ Low power consumption and cooling costs plus excellent performance ■ Read/write compatibility with LTO-4 media as well as read compatibility with LTO-3 media ■ Ensures that data can still be deciphered after a few years.

Technical details

Backup and archiving solutions

Capacity	1,500 GB uncompressed / 3,000 GB compressed
Buffer size	256 MB
Transfer rate	140 MB/s (uncompressed), 280 MB/s (compressed), Variable 47 to 140 MB/s (LTO5 uncompressed)
Recording format	Ultrium LTO5
Interface	SAS 6Gb/s
Data transfer rate (burst)	600 MB/s
Device load / unload cycles	80,000
Cartridge load / unload cycles	100,000
Backwards compatible	Read/write compatibility with LTO4 Ultrium Read compatible with LTO3
Data compression	ALDC
Data cassette	LTO 3,4,5 LTO 3,4,5 WORM

Security

Data encryption	AES-GCM 256
Certification level	FIPS140-2 certification level 1

Reliability

MTBF	250,000 hours
Hard Read Error Rate	1×10^{-17}
Delivery and Media Link	http://docs.ts.fujitsu.com/dl.aspx?id=2201cb10-c310-461e-9920-0f1effa5ab03

Dimensions / Weight

Dimensions (W x D x H)	146.05 mm x 206 mm x 41.65 mm
Weight	1.41 K g

Environment

Operating ambient temperature	10 - 40 °C
Operating relative humidity	20 - 80 % (relative humidity, non-condensing)
Temperature note	Storage ambient temperature: -40 - 66°C Storage/transport relative humidity: 10 - 95 %

Electrical values

Apparent power (max. configuration)	5 * 3.7 VA 12 * 2.3 VA
-------------------------------------	---------------------------

Compliance

Compliance notes	According to the corresponding system
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

More information

Fujitsu products, solutions & services

In addition to FUJITSU Server PRIMERGY LTO-5 HH Ultrium, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about FUJITSU Server PRIMERGY LTO-5 HH Ultrium, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://www.fujitsu.com/primergy>

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



**Green
Policy
Innovation**

Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see <http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>

Copyright 2018 FUJITSU LIMITED

Disclaimer

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact

FUJITSU LIMITED

Website: www.fujitsu.com
2018-02-16 WW-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see <http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>
Copyright 2018 FUJITSU LIMITED