

# Data Sheet

## Fujitsu ETERNUS LT40 S2

### Flexible Entry System with Ample Scalability

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#### **ETERNUS LT TAPE LIBRARY SYSTEM**

The affordable ETERNUS LT tape systems offer impressive scalability and reliability. Highly automated, simple and remote operation enables usage without any demand for local expert skills. ETERNUS LT systems feature LTO technology and are certified for market-leading backup and archiving software. Connectivity is given via the SAS or FC interface.

#### **ETERNUS LT40 S2**

The ETERNUS LT40 S2 combines exceptional storage density and up to 150 TB of compressed capacity in a compact 2U form factor, giving room for unpredictable data growth. The system comes with standardized LTO technology providing high speed and low media costs. The ETERNUS LT40 offers high flexibility as it has up to two drives for redundancy and partitioning. ETERNUS LT40 can be split into two "virtual libraries" serving different application environments in parallel. This provides maximum efficiency and cost-effectiveness. The slot upgrade option gives customers a start of 12 slots and upgrades to 24 slots.



# Features & Benefits

Main Features	Benefits
<p><b>Latest technology</b></p> <ul style="list-style-type: none"> <li>■ Upgradeability from 12 to 24 slots via software license</li> <li>■ LTO-4/LTO-5/LTO-6 HH or LTO-5 FH SAS technology</li> <li>■ LTO-4/LTO-5/LTO-6 HH or LTO-5 FH drive with optional Fibre Channel interface</li> <li>■ Partitioning via license key</li> </ul> <p><b>Many extras at no additional cost</b></p> <ul style="list-style-type: none"> <li>■ Mail slot</li> <li>■ Barcode reader</li> <li>■ Remote management utility and user friendly operator panel</li> </ul>	<ul style="list-style-type: none"> <li>■ Easy upgrade to the needed storage capacity</li> <li>■ High investment protection</li> <li>■ SAS interface meets both enterprise and midrange/nearline storage requirements at relatively low costs, providing users and integrators with flexible storage architectures</li> <li>■ High data throughput of up to 8 Gb/s</li> <li>■ Smaller backup window is needed</li> <li>■ Makes it easier to separate different LTO generations, avoids undesired incompatible media loads</li> <li>■ Build up two independent libraries out of one system</li> <li>■ Easy input and output of up to three cartridges</li> <li>■ Short initialization time thanks to slot barcodes, also with unoccupied data slots</li> <li>■ Easy administration, enables configuration and diagnostic</li> <li>■ Automatism help to decrease the error rate of backup processes</li> </ul>

# Technical details

## General system information

<b>Basic configuration</b>	LTO-6, half height	LTO-6, half height	LTO-5, full height	LTO-5, half height	LTO-5, half height	LTO-4, half height	LTO-4, half height
<b>Tape system interface</b>	Fibre Channel	SAS	Fibre Channel	Fibre Channel	SAS	Fibre Channel	SAS
<b>Number of tape drives</b>	1 FH / 2 HH						
<b>Number of slots</b>	12 - 24						
<b>Max. data throughput nat./compr.</b>	576 / 1440 GB/hr			504 / 1008 GB/hr		288 / 576 GB/hr	
<b>Total capacity native</b>	30 - 60 TB			18 - 36 TB		9.6 - 19.2 TB	
<b>Total capacity compressed</b>	75 - 150 TB			36 - 72 TB		19.2 - 38.4 TB	
<b>Write/read speed</b>	160 / 400 MB/s			140 / 280 MB/s		80 / 160 MB/s	
<b>Variable speed recording uncompr.</b>	53 - 160 MB/s			44 - 140 MB/s		33 - 80 MB/s	
<b>Buffer size</b>	512 MB			256 MB		128 MB	
<b>Recording format</b>	Multiple track linear						
<b>Maximum data rate</b>	8 Gbit/s	6 Gbit/s	8 Gbit/s	6 Gbit/s	4 Gbit/s	3 Gbit/s	
<b>Media Capacity (uncompr./compr.)</b>	2500 GB / 6250 GB			1500 GB / 3000 GB		800 GB / 1600 GB	
<b>Backwards compatible</b>	Read/write compatibility with LTO-5 Read compatible with LTO-4		Read/write compatibility with LTO-4 Read compatible with LTO-3			Read/write compatibility with LTO-3 Read compatible with LTO-2	
<b>Tape width</b>	1/2 inch						
<b>Encryption</b>	possible						
<b>Compression note</b>	As used for storage capacity, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Compressed data assume a compression factor of 2 (LTO-4, LTO-5) or 2.5 (LTO-6). The compression factor depends on the data structure. Uncompressed at nominal capacity.						

## Installation specification

<b>Dimension (W x D x H) - standard</b>	447.5 x 810 x 87.6 mm
<b>Height unit standard</b>	2 U
<b>Weight</b>	16.5 kg (incl. 2 HH tape drive)
<b>Power voltage</b>	85 - 264 V (+/- 5 %)
<b>Power frequency</b>	50 / 60 Hz (+/- 5 %)
<b>Maximum Power Consumption</b>	85 - 264 V (+/- 5 %): 4 A (peak at power on)
<b>Power phase</b>	Single
<b>Switched OFF mode</b>	0.5 W
<b>Unit ready (no tape loaded into drive)</b>	31 W
<b>Write/read data no robotic moves</b>	37 W (One HH Tape drive)
<b>Write/read data with robotic moves</b>	62 W (One HH Tape drive)
<b>Notes</b>	One HH tape drive increases the AC power consumption by 11 W (drive ready, no tape loaded) and by 27 W (for write/read data to media).

## Environmental

<b>Maximum Heat Generation</b>	290 KJ
<b>Temperature (operating)</b>	10 - 35 °C
<b>Temperature (not operating)</b>	-30 - 60 °C
<b>Humidity (operating)</b>	20 - 80 % (relative humidity, non-condensing)
<b>Humidity (not operating)</b>	10 - 90 % (non-condensing)
<b>Operating environment Link</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a>

## Compliance

<b>Product safety</b>	EN 60950-1, IEC 60950-1, UL 60950-1, CSA 60950-1
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**Compliance**

<b>Electromagnetic Compatibility</b>	EN 55022 Class A, EN 61000-3-3, EN 61000-3-2, ICES 003 Class A, FCC Part-15 Class A, VCCI Class A, AS/NZS CISPR22 Class A, CNS 13438
<b>Electromagnetic Immunity</b>	EN 55024
<b>CE certification</b>	2004/108/EC, 2006/95/EC, 2011/65/EC
<b>Approvals</b>	cETLus, GOST
<b>Environmental compliance</b>	RoHS compliant, WEEE compliant
<b>Compliance notes</b>	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 can be applied for on request.
<b>Compliance link</b>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>

**Warranty**

<b>Standard Warranty</b>	1 year
<b>Service level</b>	Onsite Service (depending on country)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty/">http://support.ts.fujitsu.com/warranty/</a>
<b>Maintenance and Support Services - the perfect extension</b>	
<b>Recommended Service</b>	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

### Fujitsu OPTIMIZATION Services

In addition to Fujitsu ETERNUS LT40 S2, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Build 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 offering. This allows customers to leverage 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/services/computing/](http://www.fujitsu.com/global/services/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

### More information

Learn more about Fujitsu ETERNUS LT40 S2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

[www.fujitsu.com/fts/eternus\\_lt](http://www.fujitsu.com/fts/eternus_lt)

### Fujitsu green policy innovation

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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>



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