

# Data Sheet

## FUJITSU Storage ETERNUS LT140 Tape System

The Scalable Mid-range Tape System for High Capacity Requirements



### ETERNUS LT Tape Storage

The affordable ETERNUS LT tape systems offer impressive scalability and reliability. The highly automated and cost-efficient backup solution meets a wide range of demanding storage requirements including long-term archiving, disaster recovery and unattended backup for businesses of all sizes. The ETERNUS LT family provides data encryption offering enhanced security and compliance.

### ETERNUS LT140

The Fujitsu Storage ETERNUS LT140 is a cost-effective tape library providing extreme expansion flexibility up to 8400 TB. Starts with a 3U base unit and 20 slots while the pay-as-you-grow concept provides high investment protection that enables to scale and address long-term data storage requirements. Highly automated, simple and remote operation allows ease of use even at remote sites. The standardized LTO technology features high capacity, high speed and low cost that provide hardware-based data encryption offering enhanced security and compliance.



# Features & Benefits

Main Features	Benefits
<b>Highly Scalable: Pay-as-you-grow</b> <ul style="list-style-type: none"><li>■ Incremental expansion up to 6 library modules</li><li>■ Drive capacity requirement</li></ul>	<ul style="list-style-type: none"><li>■ Flexible and high scalability up to 8400 TB capacity</li><li>■ Enables to scale as your business grows</li><li>■ Improve performance and capacity with the latest LTO technology</li><li>■ Build up to six independent libraries out of one system</li></ul>
<b>Affordable investment protection</b> <ul style="list-style-type: none"><li>■ Cost-effective Tape system</li></ul>	<ul style="list-style-type: none"><li>■ Expandable tape library from 20 to 280 slots</li><li>■ Minimizes administration efforts while saving time and money</li><li>■ Easy upgrade to the needed storage capacity provides high investment protection</li><li>■ Expand archive capacity without impacting the availability of data in the pool</li></ul>
<b>Easy Management</b> <ul style="list-style-type: none"><li>■ Remote management utility and user friendly operator panel</li><li>■ Mail slot</li><li>■ Barcode reader</li></ul>	<ul style="list-style-type: none"><li>■ Automatism help to decrease the error rate of backup processes</li><li>■ Easy administration enables configuration and diagnostic</li><li>■ Quick input and output</li><li>■ Short initialization with slot barcodes, also with unoccupied data slots</li></ul>
<b>Data Security</b> <ul style="list-style-type: none"><li>■ Encrypts data autonomously with hardware encryption through LTO drive</li><li>■ Supports WORM media</li></ul>	<ul style="list-style-type: none"><li>■ Minimizes performance impact for encryption</li><li>■ Guarantees high data security</li><li>■ Fulfills compliance regulations</li></ul>

# Technical details

## General system information

<b>Minimum configuration</b>	LTO-8, half height	LTO-8, half height	LTO-7, half height	LTO-7, half height	LTO-6, half height	LTO-6, half height
<b>Tape system interface</b>	Fibre Channel	SAS	Fibre Channel	SAS	Fibre Channel	SAS
<b>Number of tape drives</b>				1 - 21 HH		
<b>Number of slots</b>				20 - 280		
<b>Max. data throughput nat./compr.</b>	22.7 / 56.7 TB/hr.			12.1 / 30.2 TB/hr.		
<b>Total capacity native</b>	240 - 3,360 TB		120 - 1,680 TB		50 - 700 TB	
<b>Total capacity compressed</b>	600 - 8,400 TB		300 - 4,200 TB		125 - 1,750 TB	
<b>Write/read speed</b>	300 / 750 MB/s			160 / 400 MB/s		
<b>Variable speed recording uncompr.</b>	100 - 300 MB/s			53 - 160 MB/s		
<b>Buffer size</b>	1000 MB			512 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	8 Gbit/s	6 Gbit/s
<b>Media Capacity (uncompr./compr.)</b>	12,000 GB / 30,000 GB		6,000 GB / 15,000 GB		2,500 GB / 6,250 GB	
<b>Backwards compatible</b>	Read/write compatibility with LTO-7		Read/write compatibility with LTO-6 Read compatible with LTO-5		Read/write compatibility with LTO-5 Read compatible with LTO-4	
<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 2.5 (LTO-6, LTO-7, LTO-8). The compression factor depends on the data structure. Uncompressed at nominal capacity.					
<b>Note</b>	LTO-8 also includes a new format feature that allows customers to write 22.5 TB on LTO-7 Type M tape media by using LTO-8 drives. The values for Write/read speed, Variable speed recording, Buffer size and Maximum data rate are per drive. The values for Data throughput depend on user environment.					

## Installation specification

<b>Dimension (W x D x H) - standard</b>	475 x 892 x 132 mm
<b>Height Unit standard</b>	3 U
<b>Height Unit Maximum</b>	21 U
<b>Weight</b>	28 kg (incl. 3 HH tape drive) Expansion Configuration: 160 Kg
<b>Ethernet Port (Mgmt)</b>	1000/100/10 Mbit/s
<b>Power voltage</b>	AC 100 - 240 V
<b>Power frequency</b>	50 / 60 Hz
<b>Maximum Power Consumption</b>	AC 100 - 240 V: 658W [823VA]
<b>Power phase</b>	Single
<b>Switched OFF mode</b>	0.5 W
<b>Unit ready (no tape loaded into drive)</b>	74W (incl. 3 HH tape drive)

## Environment

<b>Maximum Heat Generation</b>	AC 100 - 240 V: 2,369: kJ/h
<b>Temperature (not operating)</b>	-40 - 60°C
<b>Temperature (operating)</b>	10 - 35 °C
<b>Humidity (operating)</b>	10 - 80 %
<b>Humidity (not operating)</b>	5 - 90%
<b>Altitude</b>	5,000 m
<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
<b>Electromagnetic Compatibility</b>	EN55032 Class A, EN 61000-3-3, EN 61000-3-2, ICES 003 Class A, FCC Part-15 Class A, VCCI Class A, AS/NZS CISPR 32 class A, CNS 13438
<b>Electromagnetic Immunity</b>	EN 55024
<b>CE certification</b>	2014/30/EU, 2014/35/EU, 2011/65/EC
<b>Approvals</b>	CB, CE, CSA, FCC, RCM, UL, VCCI
<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="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

**Warranty**

<b>Warranty period</b>	1 year
<b>Warranty type</b>	Onsite warranty
<b>Warranty Terms &amp; Conditions</b>	<a href="http://www.fujitsu.com/warranty">www.fujitsu.com/warranty</a>

**Product Support Services - the perfect extension**

<b>Support Pack Options</b>	Available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time (depending on country) 24x7, 4h Onsite Response Time (depending on country)
<b>Recommended Service</b>	24x7, Onsite Response Time: 4h
<b>Service Lifecycle</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

### Fujitsu products, solutions & services

In addition to FUJITSU ETERNUS LT140, 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/](http://www.fujitsu.com/global/products/computing/)

#### Software

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

### More information

Learn more about Fujitsu ETERNUS LT140, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/eternus](http://www.fujitsu.com/eternus)

### 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>



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