

Data Sheet

FUJITSU Storage ETERNUS LT60 S2

The Scalable Mid-range Tape System for High Capacity Requirements

ETERNUS LT60 S2

The Fujitsu Storage ETERNUS LT60 S2 is a highly reliable and cost effective tape library ideal for mid-sized businesses or branch offices. It combines exceptional storage density and up to 1440 TB of compressed capacity in a compact 4U form factor. The pay-as-you-grow concept provides high investment protection. The ETERNUS LT60 S2 is certified for market-leading backup and archiving software. Highly automated, simple and remote operation enables usage without any demand for local expert skills. The standardized LTO technology features high capacity, high speed and low cost. The ETERNUS LT60 S2 provides hardware-based data encryption offering enhanced security and compliance.



Features & Benefits

Main Features	Benefits
<p>High Density Tape Automation</p> <ul style="list-style-type: none"> ■ Ultra-compact product with up to 48 slots in four height units ■ Up to four LTO drives with SAS or Fibre Channel interface 	<ul style="list-style-type: none"> ■ Ensures user-friendly and secure backup and archiving ■ Minimizes administration efforts while saving time and money ■ SAS interface allows flexible storage architecture at relatively low cost ■ High data throughput reduces dramatically the backup time
<p>Broad Scalability and Flexibility</p> <ul style="list-style-type: none"> ■ Upgradeability from 24 to 36 or 48 slots via software license ■ Partitioning via license key 	<ul style="list-style-type: none"> ■ Easy upgrade to the needed storage capacity provides high investment protection ■ Makes it easier to separate different LTO generations, avoids undesired incompatible media loads ■ Build up to four independent libraries out of one system
<p>Easy Management</p> <ul style="list-style-type: none"> ■ Remote management utility and user friendly operator panel ■ Mail slot ■ Barcode reader 	<ul style="list-style-type: none"> ■ Automatism help to decrease the error rate of backup processes ■ Easy administration enables configuration and diagnostic ■ Quick input and output of up to three cartridges ■ Short initialization time thanks to slot barcodes, also with unoccupied data slots
<p>Data Security</p> <ul style="list-style-type: none"> ■ Encrypts data autonomously with hardware encryption through LTO drive ■ Supports WORM media 	<ul style="list-style-type: none"> ■ Minimizes performance impact for encryption ■ Guarantees high data security ■ Fulfills compliance regulations

Technical details

General system information

Minimum configuration	LTO-8, half height	LTO-8, half height	LTO-7, half height	LTO-7, half height	LTO-6, half height	LTO-6, half height
Tape system interface	Fibre Channel	SAS	Fibre Channel	SAS	Fibre Channel	SAS
Number of tape drives				1 - 4 HH		
Number of slots				24 - 48		
Max. data throughput nat./compr.	4.3 / 10.8 TB/hr.			2.3 / 5.8 TB/hr.		
Total capacity native	288 - 576 TB		144 - 288 TB		60 - 120 TB	
Total capacity compressed	720 - 1,440 TB		360 - 720 TB		150 - 300 TB	
Write/read speed	300 / 750 MB/s			160 / 400 MB/s		
Variable speed recording uncompr.	100 - 300 MB/s			53 - 160 MB/s		
Buffer size	1000 MB			512 MB		
Recording format	Multiple track linear					
Maximum data rate	8 Gbit/s	6 Gbit/s	8 Gbit/s	6 Gbit/s	8 Gbit/s	6 Gbit/s
Media Capacity (uncompr./compr.)	12,000 GB / 30,000 GB		6,000 GB / 15,000 GB		2,500 GB / 6,250 GB	
Backwards compatible	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	
Tape width	1/2 inch					
Encryption	possible					
Compression note	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.					
Note	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

Dimension (W x D x H) - standard	447.5 x 810 x 175,2 mm
Height Unit standard	4 U
Weight	28 kg (incl. 4 HH tape drive)
Ethernet Port (Mgmt)	100/10 Mbit/s
Power voltage	85 - 264 V (+/- 5 %)
Power frequency	50 / 60 Hz (+/- 5 %)
Maximum Power Consumption	85 - 264 V (+/- 5 %): 5 A (peak at power on)
Power phase	Single
Switched OFF mode	0.5 W
Unit ready (no tape loaded into drive)	31 W
Write/read data no robotic moves	37 W (One HH tape drive)
Write/read data with robotic moves	62 W (One HH tape drive)

Environment

Maximum Heat Generation	85 - 264 V (+/- 5 %): 540: kJ/h
Temperature (not operating)	-30 - 60 °C
Humidity (operating)	20 - 80 % (relative humidity, non-condensing)
Humidity (not operating)	10 - 90 % (non-condensing)
Altitude	3,000 m (10,000 ft.)

Compliance

Product safety	EN 60950-1, IEC 60950-1, UL 60950-1, CSA 60950-1
Electromagnetic Compatibility	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
Electromagnetic Immunity	EN 55024
CE certification	2004/108/EC, 2006/95/EC, 2011/65/EC
Approvals	cETLus, EAC
Environmental compliance	RoHS compliant, WEEE compliant
Compliance notes	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.
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Warranty

Warranty period	1 year
Warranty type	Onsite warranty
Product Support Services - the perfect extension	
Recommended Service	24x7 Onsite Service with 4h Onsite Response Time
Service Weblink	Available service levels: ts.fujitsu.com/services/maintenance_support/hardware_services.html

In addition to Fujitsu ETERNUS LT60 S2, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

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

Software

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More information

Learn more about Fujitsu ETERNUS LT60 S2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
ts.fujitsu.com/eternus_lt

Fujitsu green policy innovation

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