Data Sheet
FUJITSU Storage ETERNUS LT40 S2 Tape System

Flexible Entry System with Ample Scalability



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 LT40 S2

The Fujitsu Storage ETERNUS LT40 S2 is a highly reliable and cost effective tape library ideal for small and midsized businesses or branch offices. It combines exceptional storage density and up to 360 TB of compressed capacity in a compact 2U form factor. The pay-as-you-grow concept provides high investment protection. The ETERNUS LT40 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 LT40 S2 provides hardware-based data encryption offering enhanced security and compliance.



Features & Benefits

Main Features	Benefits
High Density Tape Automation	
■ Ultra-compact product with up to 24 slots in two height units	■ Ensures user-friendly and secure backup and archiving
■ Up to two LTO drives with SAS or Fibre Channel interface	■ 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
Broad Scalability and Flexibility	
■ Upgradeability from 12 to 24 slots via software license	■ Easy upgrade to the needed storage capacity provides high investment protection
■ Partitioning via license key	■ Makes it easier to separate different LTO generations, avoids undesired incompatible media loads
	■ Build up two independent libraries out of one system
Easy Management	
■ Remote management utility and user friendly operator panel	■ Automatism help to decrease the error rate of backup processes
■ Mail slot	■ Easy administration enables configuration and diagnostic
■ Barcode reader	■ Quick input and output of up to three cartridges
	■ Short initialization time thanks to slot barcodes, also with unoccupied data slots
Data Security	
■ Encrypts data autonomously with hardware encryption through LTO drive	■ Minimizes performance impact for encryption
	■ Guarantees high data security
■ Supports WORM media	■ Fulfills compliance regulations

Technical details

General system information

Minimum configuration	LTO-7, half height	LTO-7, half height	LTO-6, half height	LTO-6, half height	LTO-5, full height	LTO-5, half height	LTO-5, half height
Tape system interface	Fibre Channel	SAS	Fibre Channel	SAS	Fibre Channel	Fibre Channel	SAS
Number of tape drives	1 FH / 1 - 2 HH						
Number of slots	12 – 24						
Number of mail slots	3						
Max. data throughput nat./compr.	2.2 / 5.4 TB/hr.		1.2 / 2.9 TB/hr.		1 / 2 TB/hr.		
Total capacity native	72 - 144 TB		30 - 60 TB		18 - 36 TB		
Total capacity compressed	180 - 360 TB		75 - 150 TB		36 - 72 TB		
Write/read speed	300 / 750 MB/s		160 / 400 MB/s		140 / 280 MB/s		
Variable speed recording uncompr.	100 - 300 MB/s		53 - 160 MB/s		44 - 140 MB/s		
Buffer size	1000 MB		512 MB		256 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.)	6,000 GB / 15,000 GB		2,500 GB / 6,250 GB		1,500 GB / 3,000 GB		
Backwards compatible	Read/write compatibility with LTO-6 Read compatible with LTO-5		Read/write compatibility with LTO-5 Read compatible with LTO-4		Read/write compatibility with LTO-4 Read compatible with LTO-3		
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 (LTO-5) or 2.5 (LTO-6, LTO-7). The compression factor depends on the data structure. Uncompressed at nominal capacity.						
Note	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 87.6 mm
Height Unit standard	2 U
Weight	16.5 kg (incl. 2 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 %): 4 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	290 KJ
Temperature (operating)	10 - 35 °C
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.)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe

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	http://globalsp.ts.fujitsu.com/sites/certificates

Warranty	
Warranty period	1 year
Warranty type	Onsite warranty
Warranty Terms & Conditions	www.fujitsu.com/support

Product Support Services - the perfect extension	
Support Pack Options	Available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
Recommended Service	24x7, Onsite Response Time: 4h
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

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
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 ETERNUS LT40 S2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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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Contact
FUJITSU Limited
Website: www.fujitsu.com/eternus
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