Data Sheet
FUJITSU Storage ETERNUS LT260 Tape System

Easy Scalable Tape Automated Solution for up to 16.8 PB of Data

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 LT260

The ETERNUS LT260 LTO based tape library combines flexible scalability, exceptional storage density with excellent automated and remote management capabilities for the highly efficient handling of fast growing backup and archive volumes.
It starts from 2400 TB of compressed LTO-8 capacity in a 6U chassis of up to 16.8 PB in the maximum configuration of one base module and six expansion modules. Each module has 80 slots and can be equipped with up to six drives for connectivity, performance and redundancy.
ETERNUS LT260 can be split into a maximum of six partitions per unit serving different application environments in parallel. A graphical web interface and a high level of automation enable simple and remote operation without on-site experts. The ETERNUS LT260 systems are enabled for encryption offering enhanced security and compliance.

Features & Benefits

Main Features	Benefits
High Density Tape Automation ■ Ultra-compact product with up to 560 slots in 42 height units ■ Up to 42 LTO drives with SAS or Fibre Channel interface	■ Ensures user-friendly and secure backup and archiving ■ Minimizes administration efforts while saving time and money ■ High data throughput reduces dramatically the backup time
Broad Scalability and Flexibility ■ Scalable from 80 to 560 slots by adding another expansion unit ■ Up to seven modules with up to six drives and 80 slots per unit ■ Up to six partitions per unit possible	■ Easy upgrade to increase storage capacity and performance ■ High investment protection ■ No hidden costs because all slots per module activated ■ Build up independent libraries out of one system ■ Allows to serve different application environments in parallel
Easy Management ■ Remote management utility and user friendly operator panel ■ Up to ten mail slots per module ■ Barcode reader	■ Automatism help to decrease the error rate of backup processes ■ Easy administration enables configuration and diagnostic from everywhere ■ Quick input and output of up to 70 cartridges ■ Short initialization time thanks to slot barcodes
Data Security ■ Encrypts data autonomously with hardware encryption through LTO drive ■ Encryption key management via tape library or KMIP ■ Supports WORM media	■ Guarantees high data security ■ Minimize administration costs with central key management ■ 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 - 42 HH					
Number of slots	80 – 560					
Number of mail slots	10 per module, 70 in maximum configuration					
Max. data throughput nat./compr.	45.4 / 113.4 TB/hr.				24.2 / 60.5 TB/hr.	
Total capacity native	960 - 6,720 TB		480 - 3,360 TB		200 - 1,400 TB	
Total capacity compressed	2.4 - 16.8 PB		1.2 - 8.4 PB		500 - 3,500 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

19" rackmount	Yes
Dimension (W x D x H) - standard	480 mm x 893 mm x 265 mm (base and one extension unit)
Height Unit standard	6 U
Height Unit Maximum	42 U
Weight	48 kg (base unit), 46 kg (extension unit)
Ethernet Port (Mgmt)	1000/100/10 Mbit/s
Power voltage	AC 100 - 120 V / AC 200 - 240 V
Power frequency	50 / 60 Hz (+/- 5 %)
Power supply efficiency	89 % (80 PLUS silver)
Maximum Power Consumption	AC 100 - 120 V: 228 W (Six HH tape drives in write mode and robotic moves)
Maximum Power Consumption	AC 200 - 240 V: 231 W (Six HH tape drives in write mode and robotic moves)
Power phase	Single
Switched OFF mode	0.5 W
Unit ready (no tape loaded into drive)	60 W
Unit ready (no tape loaded into 2nd drive)	71 W
Write/read data	79 W (One HH tape drive)
Write/read data no robotic moves	79 W (One HH tape drive)
Write/read data with robotic moves	89 W (One HH tape drive)

Environment

Maximum Heat Generation	AC 100 - 120 V: 475: kJ/h
	AC 200 - 240 V: 832: 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.)
Sound pressure (LpAm)	62.5
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
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	cNEMKOus, 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
Warranty Terms & Conditions	www.fujitsu.com/support

Product Related Services - the perfect extension

Support Pack Options	- 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)
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 products, solutions & services

In addition to FUJITSU ETERNUS LT260, 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 LT260, 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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