

Data Sheet

FUJITSU Storage ETERNUS LT20 S2 Tape System

Economy System Ideal for Small Businesses and Branch Offices



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 LT20 S2

The Fujitsu Storage ETERNUS LT20 S2 is a highly reliable and cost effective tape library ideal for small businesses and branch offices. It combines exceptional storage density and up to 120 TB of compressed capacity in a compact 1U form factor.

The solution meets a wide range of demanding data storage requirements including long-term archiving, disaster recovery and unattended backup. The ETERNUS LT20 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 LT20 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 8 slots and one tape drive in a single height unit ■ Half Height LTO drive with SAS or Fibre Channel interface	■ 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
Data Security ■ Encrypts data autonomously with hardware encryption through LTO drive ■ Supports WORM media	■ Minimizes performance impact for encryption ■ Guarantees high data security ■ Fulfills compliance regulations
Easy Management ■ Remote management utility and user friendly operator panel ■ Mail slot ■ Barcode reader	■ Automatism help to decrease the error rate of backup processes ■ Easy administration enables configuration and diagnostic ■ Quick input and output of a single cartridge ■ Short initialization time thanks to slot barcodes, also with unoccupied data slots

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, half height	LTO-5, half height
Tape system interface	Fibre Channel	SAS	Fibre Channel	SAS	Fibre Channel	SAS
Number of tape drives				1 HH		
Number of slots				8		
Number of mail slots				1		
Max. data throughput nat./compr.	1.1 / 2.7 TB/hr.		576 / 1,440 GB/hr.		504 / 1,008 GB/hr.	
Total capacity native	48 TB		20 TB		12 TB	
Total capacity compressed	120 TB		50 TB		24 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

19" rackmount	Yes
Dimension - per rack (W x D x H)	447.5 x 805 x 43.8 mm 17.6 x 31.7 x 1.7 inch
Height Unit standard	1 U
Weight	14 kg (incl. 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 %): 2 A (peak at power on)
Power phase	Single
Switched OFF mode	0.5 W
Unit ready (no tape loaded into drive)	17 W
Write/read data no robotic moves	40 W
Write/read data with robotic moves	48 W

Environment

Maximum Heat Generation	85 - 264 V (+/- 5 %): 180: kJ/h
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)

Environment

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 LT20 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 LT20 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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