

# 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 240 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  |
|---|---|
| <b>High Density Tape Automation</b> <ul style="list-style-type: none"><li>■ Ultra-compact product with up to 8 slots and one tape drive in a single height unit</li><li>■ Half Height LTO drive with SAS or Fibre Channel interface</li></ul> | <ul style="list-style-type: none"><li>■ Ensures user-friendly and secure backup and archiving</li><li>■ Minimizes administration efforts while saving time and money</li><li>■ SAS interface allows flexible storage architecture at relatively low cost</li><li>■ High data throughput reduces dramatically the backup time</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>   |
| <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 of a single cartridge</li><li>■ Short initialization time thanks to slot barcodes, also with unoccupied data slots</li></ul> |

# 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 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.  |                    |
| Total capacity native             | 96 TB  |                    | 48 TB   |                    | 20 TB   |                    |
| Total capacity compressed         | 240 TB   |                    | 120 TB  |                    | 50 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<br>Read compatible with LTO-5 |                    | Read/write compatibility with LTO-5<br>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 - per rack (W x D x H)       | 447.5 x 805 x 43.8 mm<br>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 (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 | <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**

|                               |   |
|-------------------------------|---|
| 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               | <a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>   |

**Warranty**

|                             |  |
|-----------------------------|--|
| Warranty period             | 1 year   |
| Warranty type               | Onsite warranty  |
| Warranty Terms & Conditions | <a href="http://www.fujitsu.com/support">www.fujitsu.com/support</a> |

**Product Related Services - the perfect extension**

|                      |  |
|----------------------|--|
| Support Pack Options | - Available in major business areas:<br>9x5, Next Business Day Onsite Response Time<br>9x5, 4h Onsite Response Time (depending on country)<br>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      | <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 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/](http://www.fujitsu.com/global/products/computing/)

#### Software

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