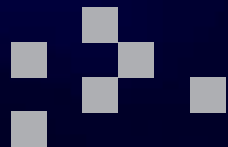


SINGLE LTO TAPE SUBSYSTEM

EntryDR™





GST's Single LTO Tape Subsystem is part of our EntryDR™ family. LTO tape technology provides high-performance in a basic GST backup solution for small to mid-sized servers. These models deliver high capacity, speed and reliability at cost-effective pricing to meet basic backup needs. An LCD panel provides an advanced operator interface for visibility over the backup operation.

The Single LTO Tape Subsystem can backup a wide variety of servers. They connect natively with LVD (low voltage differential), HVD (high voltage differential), and FC (Fibre Channel) interfaces.

THE BIG PICTURE

- Single tape drive in external enclosure.
- Capacity: LTO-3 is 400GB native (800GB compressed).
- Speed: LTO-3 is 288GB/hour native (576GB/hour compressed).
- Supports LTO-1, LTO-2, and LTO-3.
- Roadmap to LTO-4.
- LCD display panel improves backup efficiency.
- LTO range: single drive to enterprise-wide libraries.
- Supports LVD, HVD, and FC connections.

MODEL OVERVIEW

GST's Single LTO Tape Subsystem is available in a variety of models. Each LTO technology (LTO-1, LTO-2, LTO-3) is available in two server-to-SCSI Adapter interfaces and one fibre interface:

Low Voltage Differential (LVD). Maximum SCSI negotiation of 160MB/s; the total server-to-storage peripheral connectivity is 12 meters.

High Voltage Differential (HVD). Maximum SCSI negotiation of 40MB/s; the total server-to-storage peripheral connectivity is 25 meters.

Fibre Channel (FC). 2Gbit fibre interface.



LTO TECHNOLOGY

LTO tape technologies supported are LTO-1, LTO-2, and the newer LTO-3. Native capacities for LTO-1, LTO-2, and LTO-3 are 100GB, 200GB, and 400GB (200GB, 400GB, 800GB compressed) with speeds of 54GB/hr, 86-126GB/hr, and 288GB/hr (108GB/hr, 172-252GB/hr, 576GB/hr compressed). It has a 4-generation roadmap that provides for a native capacity of 800GB per cartridge (1.6TB compressed) and a transfer rate of up to 576GB/hour (1.1TB/hour compressed).

Cartridges use linear (serpentine) tape format providing fewer moving parts, durability and reduced maintenance costs. The version of LTO technology that GST uses is best suited for high-capacity backup, restore and archiving. Enhancements in the areas of timing-based servos, hardware data compression, optimized track layouts and ECC error correction help improve capacities, performance and reliability.

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KEY BENEFITS

Real-time Operator Information – Our LCD Display Panel continuously displays key tape conditions to help operations personnel monitor the status of the drive and backup operation.

Media Investment Protection – For IT sites with an investment in LTO-1 and LTO-2 media and drives, the new LTO-3 is backward-read compatible and forward-compatible with future generations.

KEY FEATURES

LCD Display Panel – Multi-function LCD continuously displays drive and backup status.

Convenient Drive Interface – RS232 interface for updating firmware and optimizing drive performance.

Service and Support – A variety of support programs provide installation and onsite service; includes GST's Accelerated Ship Program (GASP) to get replacement units on the scene rapidly.

Warranty – Purchase price includes a built-in manufacturer's warranty of three years.



SINGLE LTO TAPE SUBSYSTEM



SPECIFICATIONS	LTO-1	LTO-2 Jr.	LTO-2	LTO-3
Capacity				
Native	100 GB	200 GB	200 GB	400 GB
Compressed	200 GB	400 GB	400 GB	800 GB
Sustained Transfer Rate - MB/s				
Native	15 MB/s	24 MB/s	35 MB/s	80 MB/s
Compressed	30 MB/s	48 MB/s	70 MB/s	160 MB/s
Sustained Transfer Rate - GB/hr				
Native	54 GB/hr	86 GB/hr	126 GB/hr	288 GB/hr
Compressed	108 GB/hr	172 GB/hr	252 GB/hr	576 GB/hr
Data Compression	LZ1	LZ1	LZ1	LZ1
Operating Temperature	50° C to 100° F	50° C to 100° F	50° C to 100° F	50° C to 100° F
Operating Humidity	20% to 80%	20% to 80%	20% to 80%	20% to 80%
Dimensions (H x W x D), Desk	7" x 7" x 16"	7" x 9" x 11.25"	7" x 7" x 16"	7" x 7" x 16"
Weight, Desk	10 lbs	6 lbs	10 lbs	10 lbs
Dimensions (H x W x D x U), Rack	4" x 18" x 20" x 2U	4" x 18" x 20" x 2U	4" x 18" x 20" x 2U	4" x 18" x 20" x 2U
Weight (unpopulated), Rack	30 lbs	30 lbs	30 lbs	30 lbs
Media	Ultrium 1	Ultrium 2	Ultrium 2	Ultrium 3
Warranty	3 Years	3 Years	3 Years	3 Years

*Compressed capacity and transfer rate assumes 2:1 ratio.



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GST, Inc. engineers, manufactures, markets and sells a full line of innovative storage backup and restore products to meet today's need for high-performance, fail-safe reliability and cost-effective data storage. Products include single and dual tape subsystems, autoloaders, midrange tape libraries and modular enterprise-wide libraries. Complete information about the company, its products and support can be found at: www.gstinc.com

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