

MIL-STD RUGGED TAPE STORAGE SYSTEM

GERMANE GS9430 HIGH-SPEED TAPE STORAGE SYSTEM

The GS9430 is a tape storage array containing two LTO-4 tape drives mounted in a rugged 1U steel chassis. The COTS-based architecture enables you to meet your mission requirements by providing a cost-effective storage back-up solution in a small form factor that is designed to operate in high-temperature environments with limited air-flow.

Germane's GS9430 is a unique enterprise class ultra-fast back-up storage system providing reliable data storage and backup in a chassis that meets or exceeds MIL-STD 167-D and 901D.

Key features of the GS9430 Tape Storage System

- 1.6TB storage per cartridge in less than 3 hours (LTO-4)
- Supports dual LTO-4 or LTO-5 tape drives
- Compatible with LTO-2 (read), LTO-3 (read/write)
- Reed-Solomon error detection/correction
- Burst transfer rate 2300 MB/s
- 3 Gb/sec SAS interface
- 11.35 inch deep chassis
- 3 year warranty - standard



GERMANE SYSTEMS

A leading manufacturer of ruggedized COTS-based open architecture computer solutions that designs custom solutions for your requirements with rapid in house prototyping.

Germane provides configuration and End of Life (EOL) product management with complete environmental and structural testing capabilities.

DESIGN

TEST

BUILD

SUPPORT

GERMANE
SYSTEMS™

GS9430 TAPE STORAGE SPECIFICATIONS

Tape Drives Supported

- LTO-4 tape drives
- LTO-5 tape drives

Tape Storage Capacity

- 1.6TB compressed storage with LTO-4
- 3.0TB compressed storage with LTO-5

Data Rates

- 300 MB/s burst transfer rate with 3Gb/sec SAS
- 160 MB/sec sustained transfer rate – compressed
- 80 MB/sec sustained transfer rate – uncompressed

Chassis (IU)

- Dimensions: 1.75" (h) x 17" (w) x 11.35" (d)
- Weight: 16 pounds (with 2 LTO-4 drives installed)
- Construction: 18/20 gage steel
- Cooling: Forced air with 3 fans (rear vent)
- Mount: Rack (slide capable)

Interface

- 3/6 Gb/sec SAS

Tape Format

- Recording method: 16-channel linear serpentine
- Recording format: LTO-4 LTO-3 (for 400GB tape)
- Data compression: LTO DC dual mode compression (an enhanced version of ALDC)
- Error detection/correction: Reed-Solomon
- Read channel technology: Partial Response Maximum Likelihood (PRML)
- Data encoding method: RLL 0,13/11

Power Supply

- 250W110/220VAC

Environmental Specifications

- Operating Temperature: 10° C to 45° C
- Non-Operating Temperature: -30°C to 60°C
- Operating Altitude: 10,000 ASL
- Non-Operating Altitude: 40,000 ASL
- Humidity: RH 95% Non-Condensing
- Shock: MIL-STD 901D Grade A
- Operating Altitude: 10,000 ft ASL maximum
- Vibration: MIL-STD 167-1 and 167-2

* NOTE – This is a preliminary document and all specifications are for reference only and are subject to change without notice.

Germane Systems, LC designs all products to meet or exceed the specifications listed. Due to the multiple combinations of CPUs, main boards, memory peripheral cards, HDD and SSDs available in our modular COTS configurations it is not practical to test every combination. Please contact your Germane Systems representative for qualification testing specific to the desired configuration for your application.

BUILT IN THE USA

ISO 9001:2008 CERTIFIED COMPANY

WOMAN OWNED SMALL BUSINESS

3680 Centerview Dr., Chantilly, VA 20151

Phone 703.502.8890 sales@germane.com www.germane.com

