

Magnum20

Tape Library



Enterprise capability with midrange affordability

The ideal solution for high-performance backup/restore and archiving needs ranging from midsize environments running multiple servers and networked applications to enterprise environments running database, application and file servers.

- **148 cartridges (up to 29.6TB capacity)**
- **8 LTO drives (up to 864GB/hr. transfer rate)**
- **Industry-leading rack density (20u rack height)**
- **Remote management**
- **Library partitioning**
- **SCSI and native Fibre Channel**

FEATURES and BENEFITS

- Expandability from 1 to 8 drives and up to 148 cartridges meets changing storage requirements
- 1.5 TB per rack unit(u) provides superior density, resulting in efficient use of costly data center space
- Field installable drives provide performance, flexibility and ease of service while protecting robotic investment
- Unique partitioning feature allows for efficient multi-server access
- Standard remote management and barcode provides increased manageability
- Native fibre channel connectivity for optimized performance in SAN applications
- Field installable interface cards allow for simultaneous SCSI and fibre channel server access, resulting in flexible connectivity options
- One-year, next-day, on-site service for the ultimate in investment protection**

The Exabyte Magnum20 LTO Library offers the user enterprise-class capability at midrange affordability. With the industry's best combination of capacity, manageability and density, Magnum20 will support your storage needs for today and provide for future data storage growth. Offering up to 29.6TB of capacity in just 20u of rack space, Magnum20 provides 1.5TB per rack unit — far more than any other tape library — resulting in the most efficient use of costly data center space. Flexibility is a key feature of the Magnum20 LTO Library. It can easily expand from as few as one to as many as eight LTO drives and 148 LTO cartridges, accommodating changing storage needs without requiring re-configuration of your rack, adding storage columns or additional library modules. Magnum20 offers partitioning capability, allowing users to create as many as eight “virtual libraries” within a single

Magnum20 library for the ultimate in flexibility and efficiency. Field installable interface cards enable users to mix multiple interfaces (SCSI and fibre channel) for flexible connectivity options. Remote management is a standard feature on all Magnum20 libraries, providing users with the ability to manage their data storage either directly from the library's front panel display, or from a remote location via a Web interface connection. Native fibre channel capability results in optimized performance for SAN applications without the cost, performance and reliability issues associated with other fibre channel implementations. A 5-cartridge entry /exit port gives users the option to conduct bulk load /unloads of cartridges. Designed for 24x7 operations, Magnum20 requires no periodic maintenance and offers such features as redundant power for the ultimate in reliable operation.

* Compressed specifications assume a 2:1 compression ratio. Compression, capacity and throughput will vary depending upon type of data and system configuration. All specifications are subject to change without notice. Ultrium LTO is a U.S. trademark of HP, Seagate and IBM.

** North America only. On Site Service contract must be activated at time of installation.

The standard rack-mount configuration includes 148 cartridge cells, bar code scanner, bar code labels, single power supply, single LVD SCSI interface card, remote management utility, US and international power cords, documentation, LVD SCSI cables and an LVD SCSI terminator. LTO tape drive modules and media are not included and should be purchased separately.

Magnum20 Configuration	Exabyte Part #
Magnum20 LTO Library, LVD, rack,	270022-111

Magnum20 Field Installed Options & Accessories	Exabyte Part #
LTO Ultrium Generation 1 tape drive module	1010694
Rack mounting hardware (1)	1010707
Rack to standalone conversion kit (2)	1010695
5 cartridge entry/exit port module	1010696
Additional SCSI interface card (3)	1010698
Additional power supply module (4)	1010697
Installation service (5)	TBD
Additional year on-site warranty (per year)	TBD
LTO data cartridge	00678

- (1) Required for rack mount installation with standard configuration
- (2) Includes painted side and top panel and 4 casters
- (3) Standard configuration ships with single interface card. Library accommodates up to 4 SCSI interface cards.
- (4) Standard configuration ships with single power supply, which accommodates up to 4 LTO Gen 1 drives. A second power supply is required when drives 5-8 are installed. A third power supply is required for redundant capability when drives 5-8 are installed (a second supply is required when only 1-4 drives are installed)
- (5) Supplied by Exabyte Professional Installation Team

Exabyte Magnum20

Technical Specifications

Capacity

- 14.8TB, native
- 29.6TB, compressed*

Data Transfer Rate, Aggregate

- 432GB/hour, native
- 864GB/hour, compressed*

Cartridge Access Time

- < 10 seconds

SCSI Interface

- Standard Wide SCSI, Low Voltage Differential
- Optional native fibre channel

Reliability

- Robotic Mean Cycles Between Failures (MCCBF): >2,000,000
- Tape Drive Mean Time Between Failures (MTBF): as specified by drive manufacturer

Environment

- Operating temperature: 5°C to 35°C (41°F to 95°F)
- Non-operating temperature: -20°C to 60°C (-4°F to 140°F)
- Relative humidity, non-condensing, operating: 20% to 80%

Power

- 500 watts

Dimensions (HxWxD)

- Rack mount: 34.81" (h) x 17.66" (w) x 27.3" (d)
- Shipping: 45.75" (h) x 22" (w) x 31" (d)

Weight

- Chassis, empty with one power supply: 191 lbs.
- Drive CRU: 9 lbs.
- Additional power supply: 4.5 lbs.

Media

- Exabyte LTO cartridges recommended for optimal performance

Agency Certifications

- UL, CSA, FCC, CISPR, VDE, IEC, TUV

Warranty

- One year, next day, on-site**

Software Compatibility

- For the most recent software compatibility information, please visit the Products section on the Exabyte website at www.exabyte.com.

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