

# Magnum 6x60 LTO Tape Library



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If you want the ultimate in scalability then the award-winning Magnum 6x60 tape library is the product for you. The Magnum 6x60 easily expands from a 2 drive, 20 slot library to a 6 drive, 60 slot library for the same low price\*. With a simple firmware upgrade, the Magnum 6x60 converts into a powerful 8 x 143 configuration by adding 2 more drive slots and 83 more media slots.

This enterprise-class product with mid-range pricing is packed into a 20u form factor conserving valuable data center rack space. At a base price of \$16,999 it's the highest-density, most cost-effective LTO automation product in the industry.



- Available in SCSI or native Fibre Channel interfaces in both LTO-1 and LTO-2.
- Field replaceable drives allow for easy upgrades to next generation drive technology or an easy migratory path to another interface.
- One-year on-site warranty included\*\*.
- With the addition of an upgrade kit, the Magnum 6x60 expands to an 8 drive, 143 slot library while still retaining its 5 slot entry/exit port.

- Delivers 12/24 TB\* of capacity at a 75 GB/1.5 TB/hr. transfer rate in the LTO-2 version.
- Offers 6/12 TB\* of capacity at a 324/648 GB/hr.\* transfer rate in the LTO-1 version.
- Provides unique 4-way partitioning to create up to four separate virtual libraries for SCSI drive interfaces, and Fibre Channel drive interfaces can upgrade the standard 6-way FC partitioning to 8-way partitioning with the purchase of an Upgrade Kit.
- The Magnum 6x60 to 8x143 Upgrade Kit unlocks 2 drive slots and 83 media slots in the Magnum 6x60, now creating a fully populated library with a total of 8 drives, 143 media slots plus the standard 5-slot Entry/Exit port.
- Features advanced *Exabotics* with user-friendly interfaces for unattended network backup and restore.
- Incorporates an enterprise-class standard feature set including laser barcode scanner, remote management capabilities and a 5-slot entry/exit port.
- Supports LTO-1, LTO-2, SCSI or Fibre Channel drives, all within the same library unit, at the same time.

### Exabyte LTO with ExaBotics™

Includes ExaBotics™ — award-winning, patented robotics that leverage Exabyte's unmatched reputation for superior engineering, quality and reliability in LTO tape automation.

This heritage of innovation has given Exabyte the world's largest tape automation patent portfolio, making its ExaBotics the most advanced, trustworthy mechanics and robotics for enterprise-class tape automation.

### Exabyte's LTO Native Fibre Channel Approach

For the past three years, Exabyte has been the industry leader in native Fibre Channel, Enterprise-class libraries. Exabyte continues this tradition by offering the fastest available LTO-2 native Fibre Channel tape drive in our award-winning Magnum 6x60 Tape Library.

Our imbedded native Fibre Channel drive technology allows customers to eliminate costly routers from a SAN environment and does not require the added cost of imbedding a Fibre router inside a SCSI library. This is why Exabyte customers will see a lower Total Cost of Ownership for an overall superior return on investment.

\*Native/compressed. Assumes 2:1 compression ratio.  
\*\* Requires warranty activation/ registration by customer, offered only in North America.



# Exabyte Magnum 6x60 LTO Tape Library

The standard configuration includes 20U stand-alone library, 0 (zero) drives and 60 available tape slots, a 5-slot entry/exit port (65 total slot count), remote management feature, one power supply module, laser bar code scanner, 160 piece laser bar code label set, Ethernet port, one 10' shielded Ethernet cable, US and International power cords, documentation CD, and warranty activation card. Drives should be purchased separately and can be purchased in either Fibre Channel or SCSI, LTO-1 or LTO-2 configurations. Rack mounting requires purchasing a rackmount kit. Additional power supplies may be purchased to increase power supplies up to 3 per Magnum 6x60 library.

Magnum 6x60 Configuration	Exabyte Part #
Magnum 6x60 LTO Library	270032-100

Magnum 6x60 Field Installed SCSI Options	Exabyte Part #
LTO-1 SCSI add-on drive	1010694
LTO-2 SCSI add-on drive	1011447
SCSI interface card kit	1011934
SCSI Installation Service (1)	1010819

Magnum 6x60 Field Installed Native Fibre Channel Options	Exabyte Part #
LTO-1 native Fibre Channel add-on drive	1011432
LTO-2 native Fibre Channel add-on drive	1011448
Fibre Channel interface card kit	1011960
Native Fibre Channel Installation service (1)	1008989

Magnum 6x60 Field Installed Options & Accessories	Exabyte Part #
Additional power supply module (2)	1010697
Rack mount kit	1010707
Magnum 6x60 to Magnum20 8143 Upgrade Kit	1012347

Three Year Warranty, Support Suite Services (SSP) Mon-Fri, next business day response	Exabyte Part #
Premium SSP, Magnum 6x60 FC or SCSI w/1 drive	1010820-001
Premium SSP, LTO-1 SCSI drive	1010927-000
Premium SSP, LTO-1 FC, LTO-2 SCSI and FC drives	1010930-000

(1) Supplied by Exabyte Professional Installation Team  
 (2) Standard configuration ships with single power supply, which accommodates up to 4 LTO 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)

## Magnum 6x60 Tape Library Technical Specifications

<b>Capacity</b>	<b>Power</b>
LTO-1: Up to 6TB native, 12TB compressed*	389 watts minimum
LTO-2: Up to 12TB native, 24TB compressed*	552 watts maximum
	100-240 VAC at 50-60 Hz
<b>Data Transfer Rate, Aggregate</b>	<b>Dimensions (HxWxD)</b>
LTO-1: Up to 324GB/hr native, 648GB/hr compressed*	Rack mount: 34.81" (h) x 17.66"(w) x 27.3" (d)
LTO-2: Up to 656GB/hr native, 1.5TB/hr compressed*	Shipping: 46" (h) x 24" (w) x 32" (d)
<b>Cartridge Access Time</b>	<b>Weight</b>
< 10 seconds	Chassis, empty with one power supply: 191 lbs.
<b>Interface</b>	Shipping weight: 217 lbs.
LTO-1: Ultra-2 SCSI wide LTO-2: Ultra-160 SCSI LVD	Drive CRU: 9 lbs.
LTO-1 and LTO-2: Optional native Fibre Channel	Additional power supply: 4.5 lbs.
<b>Reliability</b>	<b>Media</b>
Robotic Mean Cycles Between Failures (MCBF): >2,000,000	Exabyte LTO cartridges recommended for optimal performance
Tape Drive Mean Time Between Failures (MTBF): as specified by drive manufacturer	<b>Agency Certifications</b>
<b>Environment</b>	UL, CSA, FCC, CISPR, IEC, TUV, EN, ICES, VCCI
Operating temperature: 5°C to 35°C (41°F to 95°F)	<b>Warranty</b>
Non-operating temperature: -20°C to 60°C (-4°F to 140°F)	Three years, first year on-site**
Relative humidity, non-condensing, operating: 20% to 80%	<b>Software Compatibility</b>
	For the most recent software compatibility information, please visit the Products section on the Exabyte website at <a href="http://www.exabyte.com">www.exabyte.com</a> .

### Installation Services

Take advantage of Exabyte's technical expertise with Magnum 6x60's Professional Installation Service. For a nominal fee, we will do the library installation and have your Magnum 6x60 library up and running in no time. Magnum 6x60's professional installation will be performed by an Exabyte engineer. Professional installation includes:

- Unpacking of Magnum 6x60 library and associated accessories
- Installation of add-on drives and accessories
- Verification that all drives are recognized on the bus and successfully addressed
- Troubleshooting and resolving hardware issues that may arise during installation
- "Best effort" integration in identifying/overcoming library-related interoperability issues.

Contact Exabyte at [fc@exabyte.com](mailto:fc@exabyte.com) for more information on available services or to arrange for your professional installation.



1-800-EXABYTE

**Exabyte Corporation**  
 2108 55th Street  
 Boulder, CO 80301 USA  
 (303) 442-4333  
[www.exabyte.com](http://www.exabyte.com)  
[sales@exabyte.com](mailto:sales@exabyte.com)

**End-User/Product Info:**  
 1-800-EXABYTE

**Reseller Sales Support:**  
 1-800-774-7172

**Technical Support:**  
 (303) 417-7792

**Government Sales:**  
 1-800-292-4688

**AsiaPacific:** (65) 6271 6331  
**Australia:** (612) 9436 4977  
[www.exabyte-asiapacific.com](http://www.exabyte-asiapacific.com)  
[asiaexb@exabyte.com](mailto:asiaexb@exabyte.com)

**Latin America:** (303) 417-5700  
**Argentina:** 001-800-200-1111  
 — at the tone dial  
 1-800-982-6369  
**Brazil:** 000 811 728 0552  
**Chile:** 1230 020 2007  
**Mexico:** 95 800 887 6745

**Europe:**  
**France:** +33 (0)1 69353340  
**Germany:** +49 (0)6103 90960  
**UK:** +44 (0) 1452 563071  
[www.exabyte-europe.com](http://www.exabyte-europe.com)  
[europe-info@exabyte.com](mailto:europe-info@exabyte.com)



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