

ULTRIUM 7  
LTO

ULTRIUM 8  
LTO

ULTRIUM 9  
LTO

NANOPURE™



## FEATURES AND BENEFITS

### SCALE OUT TO MASSIVE CAPACITY AND PERFORMANCE

Up to 5.04 Petabytes native storage (12.6 compressed) when fully configured. Support for all major IBM LTO drives from LTO 6-9 including FC/SAS, Half Height and Full Height. Performance up to 400MB/s with FH LTO[1]9 drives. Ethernet and FC connectivity via add on XstreamCORE® bridges by ATTO.

### MADE IN THE USA

TAA COMPLIANT, our products are Made in the USA and feature IBM™ LTO drives made in Japan for TAA compliance required by public agencies.

### COMPLIANCE AND SECURITY

Secure your backups with AES 256-bit hardware-based encryption standard and WORM (Write-once-read-many) support with WORM enabled cartridges.

### COMPLETE SOLUTION WITH NANOPURE MEDIA™

Full support for NanoPure Media™ which is the only certified and fully tested media system for managing media errors and drive hardware faults on MagStor® libraries.

### ABOUT MAGSTOR®

MagStor® Is a recognized leader in tape backup solutions to enterprise and M&E users globally. Since 2006, operating as our parent company Magnext, we are the ONLY tape hardware manufacturer and service provider solely focused on the needs of the tape hardware market. Our investments in engineering include our innovative NanoPure Media™ system and patented Thunderbolt 3™ equipped tape drives and libraries. All with a focus on improving the usability of tape hardware for todays M&E and Enterprise users.



## DATA SHEET

# petabyte MACHINE

## PETABYTE MACHINE M3280

Unrivaled cost and performance for enterprise tape backup

### MagStor supports your unique workflow requirements

The MagStor PetaByte Machine features storage up to 5.04PB native/12.6PB compressed in a compact form factor that offers the lowest cost per GB of any tape library available.

- > 40% less expensive than a comparable Quantum i3 library
- > 37% less expensive than a comparable Spectralogic library.

MagStor PetaByte Machine Cost	Cost /TB	Cost /PB	Cost vs. PetaByte Machine	
MagStor PetaByte Machine	\$14.63	\$14,630.75	NA	NA
Quantum i3	\$24.64	\$24,635.32	40.61%	Higher
Spectra Stack	\$23.24	\$23,244.64	37.06%	Higher

Each library is configured with 280 slots, 1xLTO9 drive, 280xLTO9 media, and no options

### Secure storage for your knowledge assets

The PetaByte Machine is the perfect solution to address all the retention, protection, and compliance requirements of small to medium businesses and content creators who also wish to protect their data from ransomware. PetaByte Tape Libraries provide air-gapped protection against ransomware attacks.

### Industry leading warranty and lifetime support policy

We care about your success. Our 3-year standard Silver warranty leads the industry and is paired with our lifetime support. You can call, email, or chat with us on our website at any point after your purchase. Every future MagStor firmware update is free for original MagStor customers. You may also elect to extend the 3-year warranty up to 5 years for an additional fee. Have a dedicated FC SAN? Add the optional FC Bridge to increase performance and reduce your backup windows. Or add the optional Ethernet Bridge with 40GB/s performance.

# TECHNICAL SPECIFICATIONS

## DATA SHEET

### COMPATIBILITY

	LTO9 Media	LTO8 Media	LTO7 Media	LTO6 Media	LTO5 Media
LTO9 Drive	●	●	✗	✗	✗
LTO8 Drive	✗	●	●	✗	✗
LTO7 Drive	✗	✗	●	●	R

✗ Incompatible    ● Read/Write    R Read Only

### CAPACITY & POWER

<b>Max Native Capacity</b>	5.04 Petabytes Uncompressed
<b>Voltage</b>	100-127 VAC; 200-240 VAC
<b>Line Frequency</b>	50-60 Hz

### DIMENSIONS

<b>Size</b>	
Dimensions (WxHxD)	W 23.7" x H 46.6" x D 39.6"

### ENVIRONMENTAL TOLERANCE

	Operating	Shipping & Storage
<b>Temperature</b>	10°C to 35°C	-30 °C to +60 °C
<b>Relative Humidity</b>	20% - 80%	10 - 90%
<b>Altitude</b>	0 to 10,000'	-22 to 33000'

### DRIVE & TAPE CAPACITY

<b>Drives</b>	21 (HH) / 7 (FH)
<b>Tapes Slots</b>	280
<b>Mail Slots</b>	35x
<b>Magazines</b>	14

### PERFORMANCE

**400 MB/s Read/Write**  
(LTO 9 Full Height Uncompressed)

**300 MB/s Read/Write**  
(LTO 9,8,7 Half Height Uncompressed)

### WARRANTY & SUPPORT

3 years  
(optional 5 years)

### PORTS PER DRIVE

SAS: 2X SAS-8088 ports (up to LTO8 only)  
SAS: 2x 8644  
FC: 2 X LC/LC Fibre Channel



### TAPE CARTRIDGE

Archive Storage	Dimensions (LxWxH)	Durability
30 years	4 x 4.15 x .85"	20,000 load/unload cycle

### CARTRIDGE CAPACITY

Media Generation	Native Capacity
LTO9	18 TB
LTO8	12 TB
LTO7	6 TB
LTO6	2.5 TB
LTO5	1.5TB

