Quantum.

SuperLoader 3

Advanced Automation at an Affordable Price: Now with DATASTOR Shield Deduplication Software

Designed for simple and reliable backups, Quantum SuperLoader® 3 offers an exclusive package of advanced features, including StorageCare® Guardian, remote management, and barcode reader—all at no additional cost. It also gives you the widest range of drive options in the industry to support data requirements up to 3,840 TB—with the flexibility to expand as your storage needs grow.

Quantum SuperLoader 3 models now include DATASTOR Shield™ backup software with deduplication to supercharge your backup. Quantum and DATASTOR have teamed up to provide the first backup with deduplication straight to tape. This technology, which reduces backups significantly (up to 20x), allows you to store more data per tape than competitive models.

Quantum SuperLoader 3 delivers a full suite of advanced features at an affordable price—with easy integration, an intuitive user interface, and compatibility with a broad range of backup software packages. And because you can easily expand from 8 to 16 cartridge slots, your investment is protected as your needs grow.

Customers may also choose additional service level upgrades for maximum availability and faster response times.

FEATURES & BENEFITS

- Compatible with all major backup software packages, environments, and infrastructures
- Backup with deduplication includes DATASTOR Shield backup software, which reduces data by 20x
- Only autoloader that supports 16 cartridges in a 2U rack-mount unit
- Access from any web-based browser for remote diagnostics, operations, software upgrades, and maintenance
- Removable magazine(s) provide fast, easy cartridge access
- Up to 480 TB* of capacity with 2.5:1 compression; up to 3,840 TB of capacity with DATASTOR Shield
- Up to 2.7 TB/hr* transfer rate
- Scalable from 8 to 16 cartridge slots
- 2U rack-mountable form factor
- State-of-the-art performance and energy efficiency
- Available with 6 Gb/sec SAS interfaces
- Comes with a one-year rapid exchange warranty

Reduce Data by 20x with included backup software!

2.5:1 compression LTO-8, LTO-7 and LTO-6; 2:1 for LTO-5, 20:1 deduplication

ULTRIUM LTO

BACKUP READY!

DRIVE CAPACITY AND PERFORMANCE

Drive Type	Media Type	Autoloader Capacity Native/Compressed/ Deduplicated[1] (TB)	Performance Native/Compressed/ Deduplicated[1] (TB/hr)
LTO-8	LTO-8 (L8)	192 / 480 / 3,480	1.08 / 2.70 / 21.60
LTO-8	LTO-7 (M8)[2]	144 / 360 / 2,880	1.08 / 2.70 / 21.60
LTO-7HH	LTO-7 (L7)	96 / 240 / 1,920	1.08 / 2.70 / 21.60
LTO-6HH	LTO-6 (L6)	40 / 100 / 800	0.576 / 1.44 / 11.52
LTO-5HH	LTO-5 (L5)	24 / 48 / 480	0.504 / 1.0 / 10.0

[1] 2.5:1 compression LTO-8, LTO-7 and LTO-6; 2:1 for LTO-5, 20:1 deduplication
[2] New, unused LTO generation 7 cartridges can be initialized as LTO-8 Type M media (M8).

HOST INTERFACE

6 Gb/sec SAS

BACKUP SOFTWARE

Included Software:	DATASTOR Shield Single-Server Backup
Deduplication Rate:	20:1 (typical)
Software Compatibility:	Windows only
Backup Methods:	Disk-to-disk-to-tape, disk-to-tape, archive-to-tape in native format
Upgradeable:	Yes to multiple servers, SQL, Exchange, SharePoint, Bare Metal, Cloud, and other functionality

RELIABILITY

MSBF:	1.5 million
MTTR:	<30 minutes
Cartridge Capacity:	8 or 16 cartridges
Management Requirements:	Integrated web-based management standard on all SuperLoader 3 products
Power Requirements:	90–256 VAC

PHYSICAL

Width (in/cm)	16.7 / 42.42
Height (in/cm)	3.41 / 8.66
Length (in/cm)	27.5 / 69.85
Weight (lb/kg)	31 / 14.06

WARRANTY

One-year rapid exchange

OPERATIONS

Cartridge Loader:	Single front-loader slot (import port) and bulk cartridge loading in removable active magazines
On-board Remote Management Tools:	10BASE-T/100BASE-T Ethernet
Available Operations:	Review System Status, Remote Diagnostics, Browse System Logs, Configuration, Firmware Upgrades, Drive Operations, Remote Management, Check Inventory, System Upgrades
Barcode Reader:	Standard

ENVIRONMENTAL

Temperature Range (Dry Bulb):	Operating +10 ºC to +35 ºC Non-operating -40 ºC to +65 ºC
Temperature Variation:	Operating 10 ºC per hour Non-operating 20 ºC per hour
Humidity:	Operating 20% to 80% non-condensing humidity Non-operating 10% to 90% non-condensing humidity Gradient 10% per hour without condensation
Wet Bulb:	Operating 26 ºC maximum Non-operating 29 ºC maximum
Altitude:	Operating -500 feet to 10,000 feet (-153 m to 3,048 m) Non-operating -500 feet to 40,000 feet (-153 m to 12,192 m)

COMPLIANCE AND CERTIFICATIONS

Safety Standards:	US (UL 1950), Canada (CSA 22.2 No. 950), Europe (EN 60950/IEC 950), EMI/RFI ECC Directive 89336 CD BS 6527 (UK) EN 55022 (EU) EN 55024 (EU) CFR 47, 1995 FCC Rules Part 15B Class B (MDOC) IEC-003 Canada V-3/97.04 VCCI Class B (Japan) AS/NZS 3548 Australia/New Zealand (C-Tick Mark) CNS 13438 BSMI Class A Taiwan
Agency Markings:	CD, VCCI, UL, FCC, CSA

COMPATIBILITY

Software/Hardware:	For information on the most up-to-date tested solutions, visit www.quantum.com.

Model Numbers and Descriptions

EC-LLPAE-YF-C	LTO-5HH SAS, 8 Slots/1 Magazine	E7-L2PAE-HF-C	LTO-5HH SAS, HBA (6 Gb/sec, PCIe), 10 pcs Media, 16 Slots/2 Magazines	ET-LLZAE-YF	LTO-8HH SAS, 8 Slots/1 Magazine
EC-L2PAE-YF-C	LTO-5HH SAS, 16 Slots/2 Magazines			ET-L2ZAE-YF	LTO-8HH SAS, 16 Slots/2 Magazine
E7-LLSAE-YF-C	LTO-6HH SAS, 8 Slots/1 Magazine	E7-L2SAE-HF-C	LTO-6HH SAS, HBA (6 Gb/sec, PCIe), 10 pcs Media, 16 Slots/2 Magazines	ET-L2ZAE-HF	LTO-8HH SAS, HBA (6 Gb/sec, PCIe), 10 pcs Media, 16 Slots/2 Magazine
E7-L2SAE-YF-C	LTO-6HH SAS, 16 Slots/2 Magazines				
E7-LLYAE-YF	LTO-7HH SAS, 8 Slots/1 Magazine	E7-L2YAE-HF	LTO-7HH SAS, HBA (6 Gb/sec, PCIe), 10 pcs Media, 16 Slots/2 Magazines		
E7-L2YAE-YF	LTO-7HH SAS, 16 Slots/2 Magazines				

*European models with LTO have -YE instead of -YF, or -HE instead of -HF.

ABOUT QUANTUM

Quantum is a leading expert in scale-out tiered storage, archive, and data protection, providing solutions for capturing, sharing, and preserving digital assets over the entire data lifecycle. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to address their most demanding data workflow challenges. Quantum's end-to-end, tiered storage foundation enables customers to maximize the value of their data by making it accessible whenever and wherever needed, retaining it indefinitely and reducing total cost and complexity. See how at www.quantum.com/customerstories.

Quantum®

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