QUALSTAR®

Q80

Expandable Rackmount Tape Library System

KEY FEATURES & BENEFITS

ENGINEERED FOR RELIABILITY
- User-installable tape drives
- Self-calibrating, all-digital servo control system
- Auto-aligning: no mechanical or electrical adjustments
- Auto-discovery of all components
- Rated at 2,000,000 tape load/unload cycles
- Automated tape drive cleaning

VERSATILITY
- Expandable in the field to 560 tape slots
- ADI library interface
- Fibre Channel and SAS drive interface support
- Logical library partitioning

COMPREHENSIVE USER INTERFACE
- Browser-based remote library manager
- 5.7" color LCD touch control panel and menu system for easy local configuration, operation, and maintenance

EFFICIENT MEDIA CONTROL
- Barcode scanner
- I/O Port configurable to none or 10 cartridges per module

VALUE
- Three-year warranty
- Rack mount kit included
- N+1 power with dual line cords standard for base and expansion units

OVERVIEW

Qualstar's Q80 scalable enterprise tape library is designed to be Simply Reliable™, providing superior performance and scalability for short-term backup, disaster recovery, and long-term archiving requirements. The 6U-high libraries utilize LTO-7, LTO-8, LTO-9 or LTO-10 tape drives, and each unit delivers up to 2.4 PB (LTO-10 native) or 6.0 PB (LTO-10 compressed) of storage capacity.

The Q80 base unit may be connected to up to six additional expansion modules, creating a single library system that can store up to 42 PB (compressed) in a single 42U rack. These modular additions give your Q80 system room to grow alongside your business—allowing you to expand cartridge capacity from 80 slots to 560 slots and increase throughput by adding up to 42 tape drives. Even when utilizing multiple stacked library modules, the Q80 uses a single robot to service all drives and media, maximizing cost effectiveness.

The user control panel employs an intuitive GUI and setup wizards to make the system easy to configure and operate. An integrated browser-based remote management interface (RMI) enables IT administrators to remotely configure, manage, and diagnose the library from anywhere in the world.

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The Data Storage Experts

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HIGHLIGHTS

- 80 to 560 cartridges (base + 6 expansion modules)
- 1 to 6 drives per module, up to 42 drives
- LTO-7, LTO-8, LTO-9 or LTO-10 drives with SAS, FC
- 5.7" Touch screen display in base unit
- Simple expansion, no special alignment required
- Ball bearing slides standard
- Removable magazines for bulk loading/unloading

- Remote management via Ethernet
- IPV6, SNMP with SSL & TLS
- Encryption capable
- Drive firmware update via remote management interface
- Library firmware update via remote management or via control panel and USB thumb drive

Q80 SPECIFICATIONS	BASE MODULE	EXPANDABLE TO
Drive Type	LTO-7, LTO-8, LTO-9 or LTO-10	
Number of Drives Supported	1 - 6	Up to 42
Number of Tape Slots	80	Up to 560
Native Capacity with LTO-8 / LTO-9 / LTO-10	960 TB / 1.44 PB / 2.4 PB	6.72 PB / 10.08 PB / 16.8 PB
Max Compressed Capacity with LTO-8 / LTO-9 / LTO-10	2.4 PB / 3.6 PB / 6.0 PB	16.8 PB / 25.2 PB / 42.0 PB
Max Native Data Rate LTO-8 / LTO-9 / LTO-10 (HH) LTO-9 / LTO-10 (FH)	6.48 TB/hr 4.3 TB/hr	45.36 TB/hr 30.2 TB/hr
Max Compressed Data Rate LTO-8 / LTO-9 / LTO-10 (HH) LTO-9 / LTO-10 (FH)	16.2 TB/hr 12.9 TB/hr	113.4 TB/hr 90.7 TB/hr
Library Interface	ADI	
Drive Interfaces	SAS, FC	
Field Expansion	1 base module + up to 6 expansion modules	
Barcode Reader	standard	
Rack Mount Kit	standard	
Configurable Number of I/O Port Slots	0 or 10	0 or 10 per module
Height (1 U = 1.75 inches / 44.45 mm)	6U	Up to 42U in 6U increments
Width (in. / cm.)	18.7 / 47.5	
Depth (in. / cm.)	35.1 / 89.2	
Weight per Module (lb. / kg.) without tape drives	90 / 41	80 / 37 per module
Power Consumption (watts)	< 350 (peak)	< 350 (peak per module)

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