QUALSTAR®

Q1000+

Expandable Rack Tape Library System

Powered by Orion

KEY FEATURES & BENEFITS

ENGINEERED FOR RELIABILITY

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

VERSATILITY

- ADI library interface
- Fibre Channel and SAS drive interface support
- Logical library partitioning

COMPREHENSIVE USER INTERFACE

- Browser-based remote library manager
- 3.5″ LCD with button control allows easy local configuration, operation, and maintenance

EFFICIENT MEDIA CONTROL

- Barcode scanner
- 7 tape mailslots

VALUE

- Three-year warranty
- 2N power for base and expansion units

OVERVIEW

Qualstar's Q1000+ 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 42 and 48U libraries utilize LTO-9 or LTO-10 tape drives, and each Rack delivers up to 44.6 PB (LTO-10 native) or 111.5 PB (LTO-10 compressed) of storage capacity.

A Single 48 U Rack may be connected to up to an unlimited number of additional Racks, creating a single library system that can reach Exabyte Scale, dependent on software and connectivity- single picker per rack.

The user control panel employs an intuitive GUI and setup wizards to make the system easy to configure and operate. An integrated web 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

1267 Flynn Rd. │ Camarillo, CA 93012 │ 877.886.2758 │ Qualstar.com │ OTC: QBAK

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HIGHLIGHTS

- Up to 1115 cartridges per rack.
- 1 to 24 drives per rack
- LTO-9 FC or LTO-10 drives with SAS, FC
- 3.5" screen display w/ button panel
- Simple expansion, software dependent
- 2N power redundancy in base and expansion units
- 7 Cartridge Mail Slot per module

- Remote management via Ethernet
- IPV6, SNMP with SSL & TLS
- Encryption capable
- Drive firmware update via remote management web interface
- MFA Authentication Capable
- Powered by Orion

Q1000+ SPECIFICATIONS	48U RACK	42U RACK
Drive Type	LTO 9 or 10, SAS or FC	
Number of Drives Supported	Up to 24 Full Height	Up to 21 Full Height
Number of Tape Slots	Up to 1115	Up to 974
Native Capacity with LTO-9 / LTO-10	20.7 PB / 44.6 PB	17.53 PB / 38.9 PB
Max Compressed Capacity with LTO-9 / LTO-10	50.18 PB / 111.5PB	43.83 PB / 97.4 PB
Max Native Data Rate LTO-10 (SAS & FC)	9.6 GB/s	8.4 GB/s
Max Compressed Data Rate LTO-10 (SAS & FC)	24 GB/s	21 GB/s
Library Interface	REST API, OCP and Web GUI	
Drive Interfaces	SAS, FC	
Field Expansion	Unlimited Number of Racks, software dependent - 1 picker per rack	
Barcode Reader	Standard	
System Firmware	Field Upgradeable	
Configurable Number of I/O Modules	Up to 8	Up to 7
Height (1U = 1.75 inches / 44.45 mm)	48U	42U
Width (in. / cm.)	23.6 / 60	
Depth (in. / cm.)	47.2 / 120	
Weight per Module (lb. / kg.) without tape drives	~2205 lbs / 1000kg per rack	1984 lbs / 900 kg per rack
Power Consumption (watts)	< 300 (peak per rack)	< 300 (peak per rack)

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