# QUALSTAR®
# Q1000+

## Expandable Rack Tape Library System

*Powered by Orion*

## 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.

## 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

## QUALSTAR®
*The Data Storage Experts*

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

# QUALSTAR®

# Q1000+

## Expandable
## Rack Tape Library System

*Powered by Orion*

## 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 Redundant 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 Firmare | Linux Software Based | |
| 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) |

# QUALSTAR®

*The Data Storage Experts*