

# QUALSTAR®

## RLS-8350

### Expandable Rackmount Tape Library



RLS-8350 is the entry level system for Qualstar's series of scalable midrange LTO libraries capable of storing over 12PB of compressed data in its largest configuration.

#### OVERVIEW

The RLS-8350 is the second generation of Qualstar's well-respected RLS Series of Simply Reliable™ automated, high capacity rack mountable tape libraries. Offering superior performance and value, the RLS-8350 base unit provides a capacity of up to 600 terabytes (in LTO-8 native mode). Using data compression, capacity can increase to 1.5 petabytes. The base unit contains 50 tape cartridge slots and a single 4-slot I/O port. It can house up to 4 half-height LTO-6, LTO-7 or LTO-8 tape drives.

#### ENGINEERED FOR RELIABILITY

- Auto-connecting, user-installable tape drives
- All brushless motors
- Self-calibrating all-digital servo control system
- Auto-aligning: No mechanical or electrical adjustments
- Auto-discovery of all components
- Over 2,000,000 MEBF
- Automated tape drive cleaning
- Filtered, forced-air cooling

#### COMPREHENSIVE USER INTERFACE

- Color LCD touch control panel and menu system for easy installation, configuration, operation and maintenance
- Q-Link browser-based remote library manager

#### VERSATILITY

- Expandable in the field to 410 slots and 19 drives
- Encryption key management
- Fibre Channel and SAS drive interface support
- Logical library partitioning

#### VALUE

- Three year warranty
- Simple, easy-to-use encryption
- Field expandable by user
- N+1 power option
- All open slots; no additional slot license required

| SPECIFICATIONS                   | RLS-8350               | EXPANDABLE TO               |
|----------------------------------|------------------------|-----------------------------|
| Drive Types                      | LTO-6, LTO-7 and LTO-8 |                             |
| Number of Drives                 | 1 – 4                  | Up to 19                    |
| Number of Tape Cartridges        | 50                     | Up to 410                   |
| I/O Port /Slots                  | 1 port with 4 slots    | Up to 7 ports, 4 slots ea.* |
| Native Capacity – LTO-6          | 125TB                  | Up to 1.03PB                |
| Native Capacity – LTO-7          | 300TB                  | Up to 2.46PB                |
| Native Capacity – LTO-8          | 600TB                  | Up to 4.92PB                |
| Compressed Capacity – LTO-6      | 312TB                  | Up to 2.56PB                |
| Compressed Capacity – LTO-7      | 750TB                  | Up to 6.15PB                |
| Compressed Capacity – LTO-8      | 1.5PB                  | Up to 12.3PB                |
| Max Native Data Rate – LTO-6     | 2.3TB/hr.              | 10.9TB/hr.                  |
| Max Native Data Rate – LTO-7     | 4.3TB/hr.              | 20.5TB/hr.                  |
| Max Native Data Rate – LTO-8     | 4.3TB/hr.              | 20.5TB/hr.                  |
| Library Interface                | ADI                    |                             |
| Drive Interfaces                 | SAS, FC                |                             |
| Field Expansion                  | n/a                    | 1-3 expansion modules**     |
| Time to Scan All Barcodes (secs) | < 112                  | < 149                       |
| Barcode Reader                   | Standard               |                             |
| Rackmount Kit                    | Standard               |                             |
| Height (in/cm)                   | 6U (10.5" / 26.7cm)    | Up to 36U (63" / 160cm)     |
| Width (in/cm)                    | 17.5" / 44.5 cm        |                             |
| Depth (in/cm)                    | 35.8" / 91cm           |                             |
| Power Consumption (Watts, avg.)  | 85                     | 170                         |

\* Each additional I/O port reduces number of usable slots by 6.

\*\* Each expansion module has 120 slots (114 or 108 if one or two I/O ports are included).

#### EFFICIENT MEDIA CONTROL

- Barcode scanner
- 4-slot I/O port
- Key-lockable tape cartridge bays

**QUALSTAR®**  
The Data Storage Experts

1 Jenner, Suite 200 | Irvine, CA 92618 | 877.886.2758 | Qualstar.com

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