

# QUALSTAR RLS-8350 EXPANDABLE RACKMOUNT TAPE LIBRARY

RELIABILITY,  
PERFORMANCE  
AND VALUE



The RLS-8350 extends Qualstar's well-respected RLS-8500 Series of *Simply Reliable* automated, high capacity rack mountable tape libraries. Delivering superior performance and value, the RLS-8350 provides 125 terabytes (native). Using typical data compression ratios, capacity can exceed 312 terabytes.

### EXPANSION READY

Any RLS-8350 library can be expanded by adding an RLS-85120, tripling capacity and performance. The total configuration can support up to eight LTO 5 or LTO 6 SAS or fibre channel tape drives and up to 170 tapes, yielding over one petabyte in just 16U of rack space. FastPass™, the simple, robust tape mover installs in minutes and fits entirely within the library. Tapes are passed internally from one module to the next without impacting ongoing read/write operations. FastPass can be installed by an end user, and the expanded library is completely self-calibrating. No additional power or cooling is needed.

### ENCRYPTION ENABLED

Protect valuable data in transit. The RLS-8350 enables use of the powerful AES 256-bit data encryption capability built into every LTO 5 tape drive. Simple,

easy-to-use, library-enabled encryption allows administrators to assign a separate key to the tapes in each partition.

### Q-LINK™ REMOTE MANAGER

Q-Link is the web browser-based library manager that allows any RLS tape library to be configured, monitored, diagnosed and managed from anywhere in the world. Even firmware updates can be implemented remotely.

### RELIABLE, INTELLIGENT ROBOTICS

The RLS-8350's unique robotic mechanism is *Simply Reliable* by design. Leadscrew based robotics using brushless DC motors and closed-loop servo control systems provide precise positioning. All FRUs, options and tape drives are auto-discovering, and all electrical and mechanical adjustments have been completely eliminated. Each tape drive is a self-connecting assembly, simply slide the drives in or out. All service access is through the front or rear of the unit.

### EASY OPERATION

The RLS-8350 is equipped with a high resolution, color touch screen for local operation. An

intuitive menu-driven control system provides easy-to-use installation, configuration and operation information. All of the information, functions and controls built into the front panel display are replicated in Q-Link. If allowed by user security policies, Qualstar Technical Support can use Q-Link to monitor library operation to assist with configuration issues and troubleshooting.

### ADVANCED CARTRIDGE MANAGEMENT AND SECURITY

Barcode scanning enhances throughput and controls the media inventory. RLS-8350 is equipped with a 4-slot I/O port for efficient media import and export.

### LOGICAL LIBRARY

Logical Library partitioning is built into the RLS-8350 library. It allows up to three servers to share a single library, even if each server is running a separate application. Systems that weren't economical to upgrade can now be protected, automatically.



SIMPLY RELIABLE

# QUALSTAR RLS-8350 EXPANDABLE RACKMOUNT TAPE LIBRARY

RELIABILITY, PERFORMANCE AND VALUE



### 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

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

### VERSATILITY

- Expandable to 170 slots and 8 drives with FastPass™ tape mover option
- Library-enabled encryption
- ADI library interface
- N+1 power option
- SAS and Fibre Channel drive support
- Logical Library partitioning
- All access through front and back of unit

### EFFICIENT MEDIA CONTROL

- Barcode scanner
- 4-slot I/O port

### VALUE

- Three year warranty
- User field expandable
- Dedicated I/O port does not reduce capacity
- Simple, easy-to-use encryption
- Rack mount kit

RLS-8350 SERIES SPECIFICATIONS	RLS-8350	EXPANDABLE TO:
Drive Type	LTO 5 and LTO 6	
Number of Drives	1 – 3	Up to 8
Number of Data Tapes	50	104, 164 or 170
Native Capacity LTO 5 (TB)	75	Up to 255
Native Capacity LTO 6 (TB)	125	Up to 425
Hours of SD (25Mb) Video - LTO 5*	5,750	Up to 19,550
Hours of SD (25Mb) Video - LTO 6*	9,600	Up to 32,600
Max Compressed Capacity - LTO 5 (TB)*	150	Up to 510
Max Compressed Capacity - LTO 6 (TB)*	312	Over 1 PB
Max Native Data Rate - LTO 5 (TB/hr)	1.5	4
Max Compressed Data Rate - LTO 5 (TB/hr)*	3	8
Max Native Data Rate - LTO 6 (TB/hr)	1.7	4.4
Max Compressed Data Rate - LTO 6 (TB/hr)*	4.3	11.5
Library Interface	ADI	
Drive Interfaces	SAS, FC	
Average Exchange Time (seconds)	7.5	
FastPass Time (seconds)	< 2	
Time to Scan All Barcodes (seconds)	< 112	< 149
Barcode Reader	Standard	
Rack Mount Kit	Standard	
I/O Port / Slots	1 port with 4 slots	Up to 3 ports with 4 slots each
Height (in/cm)	6U (10.5 / 26.7)	16U (28 / 71.1)
Width (in/cm)	16.6 / 42.2	
Depth (in/cm)	35.3 / 89.7	
Net Weight (lb/kg)	166 / 75.3	388 / 176
Power Consumption (watts, avg)	85	170

\* Using typical compression ratios

## QUALSTAR CORPORATION

3990-B Heritage Oak Court  
Simi Valley, CA 93063

NASDAQ: QBAK

Fax: 805-583-7749

Tel: 805-583-7744

888-814-3975 Toll Free USA

E-mail: sales@qualstar.com

Website: www.qualstar.com

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