QUALSTAR
DATA STORAGE SOLUTIONS

OVERVIEW

The RLS-8500 Series extends Qualstar's RLS family of *Simply Reliable™* automated tape libraries to users requiring high capacity, expandable rack mount storage solutions. Delivering superior performance and value, RLS-8500 Series libraries provide initial capacities up to 1.37PB (in LTO-8 native mode) in just 10U. Using typical data compression ratios, each module can exceed 3.4PB. The RLS-8560 base unit contains 54 data cartridge storage slots and a dedicated four-slot I/O port, but upgrading to the RLS-85120 model provides up to 114 cartridge slots. Both libraries can house up to seven 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 474 slots and 22 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
• Dual AC power inputs option
• All open slots; no additional slot license required

EFFICIENT MEDIA CONTROL
• Barcode scanner
• 4-slot I/O port
• Key-lockable tape cartridge bays

RLS-8500 is part of Qualstar's series of scalable midrange LTO libraries capable of storing over 14PB of compressed data in its largest configuration.

SPECIFICATIONS	RLS-8560 / 85120	EXPANDABLE TO
Drive Types	LTO-6, LTO-7 and LTO-8	
Number of Drives	1 – 7	Up to 22
Number of Tape Cartridges	54 / 114	Up to 474
I/O Port /Slots	1 port with 4 slots	Up to 8 ports, 4 slots ea.*
Native Capacity – LTO-6	135TB / 285TB	Up to 1.19PB
Native Capacity – LTO-7	324TB / 684TB	Up to 2.84PB
Native Capacity – LTO-8	648TB / 1.37PB	Up to 5.69PB
Compressed Capacity – LTO-6	338TB / 713TB	Up to 2.96PB
Compressed Capacity – LTO-7	810TB / 1.71PB	Up to 7.11PB
Compressed Capacity – LTO-8	1.62PB / 3.42PB	Up to 14.22PB
Max Native Data Rate – LTO-6	4.0TB/hr.	12.7TB/hr.
Max Native Data Rate – LTO-7	7.6TB/hr.	23.8TB/hr.
Max Native Data Rate – LTO-8	7.6TB/hr.	23.8TB/hr.
Library Interface	ADI	
Drive Interfaces	SAS, FC	
Field Expansion	RLS-8560 to 85120	1-3 expansion modules**
Time to Scan All Barcodes (secs)	< 149	< 149
Barcode Reader	Standard	
Rackmount Kit	Standard	
Height (in/cm)	10U (17.5" / 44.5cm)	Up to 40U (70" / 178cm)
Width (in/cm)	17.5" / 44.5cm	
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).