

# XLS

ENTERPRISE LIBRARY SYSTEM

## XLS-810160 • XLS-810240

- Capacity from 248 TB to 4.7 PB
- Supports up to 10 LTO tape drives
- Readily expands up to 762 tapes
- Encryption key management protects data on tapes in transit
- Capacity On Demand easily adds 80 cartridge slots to XLS-810160

- Dual controller disks option with auto failover
- Eight independent host connections<sup>†</sup>
- X-Link advanced single-view, browser-based interface
- DATA-GUARD™ UPS delivers built-in power failure protection for the library robotics

- Hot-swappable power supplies, cooling fans, and tape drives
- Power sensing option monitors power usage
- Remote access by Qualstar Technical Support speeds monitoring and diagnosis



### THE XLS-810160 AND XLS-810240

libraries bring enterprise features and performance in a rack-width footprint.



XLS combines Compass Architecture™, an advanced robotics design that yields lower power consumption, superior reliability and high storage density, and X-Link™, a single-view, worldwide management interface, with N+1 power management, redundant cooling, and hot-swap components in a single, cost-effective library.

### XLS ADVANCED MODULAR DESIGN

Housing up to 10 LTO tape drives, the XLS-810160 and XLS-810240

are just 23 inches wide and designed to fit cleanly into rack-centric environments.

Capacity On Demand quickly and easily increases capacity almost 50% by adding 80 additional cartridge slots to the XLS-810160.

When more capacity is needed in either model a MEM2 storage unit can be installed to increase the total capacity to 762 tapes in less than 11 square feet of floor space.

Eight logical partitions, each with its own control path, are built into each XLS.

**ENCRYPTION ENABLED**  
XLS single-key library managed encryption eliminates data loss if tapes in transit are lost. The XLS key manager enables use of the powerful data encryption capability built into every LTO tape drive. Simple, easy-to-use, library-based encryption key management allows administrators to assign a separate key to the tapes in each partition.

XLS HIGHLIGHTS	XLS-810160	XLS-810240
Drive Slots	Up to 10 drives	Up to 10 drives
Cartridge Slots	165	245
Cartridge Slots - Optional	Expands to 245 or 762 slots	Expands to 762 slots
I/O Slots Standard	10 slots with removable magazine	
I/O Slots - Optional	Add 10 more I/O slots*	Add 10 more I/O slots*
Supported Tape Drives <sup>†</sup>	LTO 4, LTO 5 and LTO 6	LTO 4, LTO 5 and LTO 6
Library Interface	Fibre Channel added in increments of 2 (maximum 8) <sup>‡</sup>	
N+1 Power	Optional	Optional
Dual AC Power Input	Optional	Optional

XLS CONFIGURATIONS	Tape Drive Slots	Cartridge Slots	Native Capacity LTO 5	Native Capacity LTO 6	Native Data Rate LTO 5	Native Data Rate LTO 6	TB per Square Foot LTO 6	Cartridges per Square Foot
XLS-810160	2 – 10	165 <sup>Δ</sup>	247 TB	412 TB	5.0 TB/hr	5.7 TB/hr	73	30
XLS-810240	2 – 10	245	367 TB	612 TB	5.0 TB/hr	5.7 TB/hr	109	44
XLS-810240 + 1 MEM2	2 – 10	762	1.1 PB	1.9 PB	5.0 TB/hr	5.7 TB/hr	174	70

\* Subtracts 10 cartridge slots

† Single port and dual port Fibre Channel drives

‡ Up to 6 with dual disk option

Δ Expandable to 245 cartridge slots

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## XLS-810160 • XLS-810240

### SINGLE-VIEW, WORLDWIDE MANAGEMENT INTERFACE

X-Link provides powerful tools and comprehensive information to monitor and manage library operations. X-Link combines an easy to use graphical interface with sophisticated control and management tools.

### FLEXIBLE, WORLDWIDE ACCESS

X-Link is accessed locally using the 15-inch, color touch screen or the Ethernet port built into each XLS, or remotely via an intranet connection or the Internet. Remote access requires just a standard browser.

### LOGICAL LIBRARY MANAGEMENT

Partitioning the physical library into up to eight logical libraries allows applications to share XLS resources. Events are reported by X-Link for each logical library, and each partition can be individually administered.

### SIMPLE INSTALLATION AND SETUP

X-Link includes installation wizards, which assist with

configuring the physical library and creating logical library partitions. X-Link users can also download XLS manuals to any connected computer.

### EVENT MONITORING AND NOTIFICATION

X-Link automatically sends a detailed e-mail to designated administrators or service personnel. Users can drill

down a hierarchical tree to obtain summary and status information for major library components, cartridges and tape drives.

### RELIABLE OPERATION

X-Link includes an automatic restart manager to recover from an unexpected power failure. Firmware updates can also be installed remotely.

### CUSTOMIZABLE SECURITY

X-Link enables administrators to set up system access, authorize users, and assign passwords.



Compass Architecture™ yields high storage density



XLS-810240 shown with optional MEM2

### XLS-810160, 810240 SPECIFICATIONS

Load a drive or slot:	11 seconds average
Dimensions (w, d, h)	23 x 35 x 78 in 58 x 88 x 198 cm
Dimensions with MEM2	45 x 35 x 78 in
Installed (w, d, h)	114 x 88 x 198 cm
Power Requirements	100 – 240 VAC • 48 – 62 Hz
Power Consumption	See XLS Product Specification
Reliability	> 2,000,000 MEBF
MTTR	< 30 minutes

Qualstar Corporation does not warrant the MEBF to be representative of any particular unit installed for customer use. Failure rates are derived from a large database of test samples. The individual failure rate will vary from unit to unit.

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