

# XLS

ENTERPRISE LIBRARY SYSTEM

## XLS-810160 • XLS-810240

- **Capacity from 132 TB to 1.1 PB**
- **Supports up to 10 LTO tape drives**
- **Readily expands up to 762 tapes**
- **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**

**THE XLS-810160 AND XLS-810240** libraries bring enterprise features and performance in a rack-width footprint. Qualstar's *Simply Reliable* design delivers the enhanced levels of intelligence, flexibility, scalability, and ease of use of Qualstar's highly regarded XLS Enterprise Tape Library family.



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



- **Inventory Sentry™ senses whether tapes have actually been moved when a door is opened**
- **Power sensing option monitors power usage**
- **Remote access by Qualstar Technical Support speeds monitoring and diagnosis**

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, installing an Expansion Pod delivers 116 more slots, but adds only 6 inches to the library's foot print. Alternatively, 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.

| XLS HIGHLIGHTS                    | XLS-810160  | XLS-810240                  |
|-----------------------------------|---|-----------------------------|
| <b>Drive Slots</b>                | Up to 10 drives   | Up to 10 drives             |
| <b>Cartridge Slots</b>            | 165   | 245                         |
| <b>Cartridge Slots - Optional</b> | Expands to 245, 361 or 762 slots                              | Expands to 361 or 762 slots |
| <b>I/O Slots Standard</b>         | 10 slots with removable magazine                              |                             |
| <b>I/O Slots - Optional</b>       | Add 10 more I/O slots*  | Add 10 more I/O slots*      |
| <b>Supported Tape Drives</b>      | LTO 4 and LTO 5   | LTO 4 and LTO 5             |
| <b>Library Interfaces</b>         | FC or SCSI, added in increments of 2 (maximum 8) <sup>†</sup> |                             |
| <b>N+1 Power</b>                  | Optional  | Optional                    |
| <b>Dual AC Power Input</b>        | Optional  | Optional                    |

| XLS CONFIGURATIONS                  | Tape Drive Slots | Cartridge Slots  | Native Capacity LTO 5 | Native Data Rate LTO 5 | Terabytes per Square Foot | Cartridges per Square Foot |
|-------------------------------------|------------------|------------------|-----------------------|------------------------|---------------------------|----------------------------|
| <b>XLS-810160</b>                   | 2 – 10           | 165 <sup>Δ</sup> | 247 TB                | 5.0 TB/hr              | 44                        | 30                         |
| <b>XLS-810240</b>                   | 2 – 10           | 245              | 367 TB                | 5.0 TB/hr              | 66                        | 44                         |
| <b>XLS-810240 + 1 Expansion Pod</b> | 2 – 10           | 361              | 541 TB                | 5.0 TB/hr              | 72                        | 52                         |
| <b>XLS-810240 + 1 MEM2</b>          | 2 – 10           | 762              | 1.1 PB                | 5.0 TB/hr              | 104                       | 70                         |

<sup>†</sup> Up to 6 with dual disk option

\* Subtracts 10 cartridge slots

<sup>Δ</sup> 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<br>58 x 88 x 198 cm |
| Dimensions with Expansion | 29 x 35 x 78 in                     |
| Pod Installed (w, d, h)   | 74 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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**QUALSTAR®** *Simply Reliable*

