

XLS

ENTERPRISE LIBRARY SYSTEM

XLS-812300

- Capacity from 442 TB to 4.1 PB
- Scales easily up to 12 LTO tape drives
- Readily expands up to 1,365 tapes
- Eight independent host connections
- X-Link advanced single-view, browser-based interface
- Optional 6U or 8U EIA auxiliary rack modules for switches, servers, appliances, etc.



XLS-812300 shown with two optional MEM 2s

- **DATA-GUARD™ UPS** delivers built-in power failure protection for the library robotics
- **Inventory Sentry™** senses whether tapes have actually been moved when a door is opened
- **Hot-swappable power supplies, cooling fans, and tape drives**
- **MTTR for any service operation is less than 30 minutes**
- **Remote access by Qualstar Technical Support speeds monitoring and diagnosis**

THE XLS-812300

brings the power of Qualstar's *Simply Reliable* XLS Enterprise Tape Library design to users with more modest storage requirements, while delivering enhanced levels of intelligence, flexibility, scalability, and ease of use coupled with our proven record of reliability and value.



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

The XLS-812300 starts with 295 tapes and grows in easy increments to 1,365 tapes as storage requirements increase. Cartridge slots and tape drives are readily added in the field to increase data throughput and expand capacity.

When more storage is required, one or two Expansion Pods add 120 cartridge slots each. Alternatively, one or two MEM 2 storage units can be installed, raising the total capacity to 1,365 slots in just 19 square feet.

Additional drive bays can be installed to increase data transfer. Each bay houses up to four LTO tape drives.

Eight logical partitions, each with its own control path, are built into each XLS-812300.

XLS-812300 HIGHLIGHTS

Drive Bays - Standard	1 with 4 drive slots
Drive Bays - Optional	Add 1 or 2 more bays with 4 drive slots in each
Cartridge Slots - Standard	295
Cartridge Slots - Optional	Expands to 1,365
I/O Slots - Standard	10 slots with removable magazine
I/O Slots - Optional	Add 10 more I/O slots*
Equipment Bay Options	6U or 8U
Supported Tape Drives	LTO 4 and LTO 5
Library Interfaces	FC or SCSI, added in increments of 2 (maximum 8)
N+1 Power	Optional

* Subtracts 10 data tape slots

XLS-812300 CONFIGURATIONS	Tape Drive Slots	Cartridge Slots	Native Capacity with LTO 5	Native Data Rate with LTO 5	Terabytes per Square Foot	Cartridges per Square Foot
XLS-812300	4	295	442 TB	2 TB/hr	52	34
XLS-812300 + 2 Expansion Pods	12	535	802 TB	6 TB/hr	65	43
XLS-812300 + 2 MEM 2s	12	1,365	2.0 PB	6 TB/hr	107	71

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SINGLE-VIEW, WORLDWIDE MANAGEMENT INTERFACE

X-Link provides intelligent, powerful tools and comprehensive information to monitor and manage library operations around the clock and across the globe. Incorporated into every XLS, X-Link combines an easy to use graphical interface with sophisticated library 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.

COMPREHENSIVE HELP AND DOCUMENTATION

The X-Link Help System provides intelligent, detailed, context-sensitive explanations and step-by-step instructions. X-Link users can also download XLS manuals to any connected computer.

EVENT MONITORING AND NOTIFICATION

X-Link collects relevant information and automatically sends a detailed e-mail to designated administrators or service personnel.

HARDWARE MONITORING

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.

XLS-812300 SPECIFICATIONS

Load a drive or slot:	11 seconds average
Dimensions XLS-812300 (w, d, h)	35 x 35 x 78 in 88 x 88 x 198 cm
Dimensions with two Expansion Pods Installed (w, d, h)	50 x 35 x 78 in 129 x 88 x 198 cm
Dimensions with two MEM 2s Installed (w, d, h)	80 x 35 x 78 in 203 x 88 x 198 cm
Power Requirements	100 – 240 VAC • 48 – 62 Hz
Power Consumption	See XLS-812300 Product Specification
Reliability	> 2,000,000 MEBF
MTTR	< 30 minutes



Compass Architecture™ yields high storage density

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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