L5500 Open Systems Library Sales Card

Description
The L5500 library is the ideal choice for storage consolidation for open systems environments. Its high capacity, excellent density, and low cost per slot can accommodate explosive data growth much better than any other library. The ability to attach a large number of drives and support for a variety of drives and drive interfaces allows customers to build a storage system that minimizes backup windows and can also be tailored to a variety of applications. The StorageTek ACSLS software provides an integrated storage solution that enables customers to share a single L5500 library across clients running different backup software simultaneously. This greatly simplifies the task of storage consolidation, as customers no longer have to force all their clients to run a common backup software package. Built upon the proven reliability of the StorageTek PowderHorn library, the L5500 is an automated tape solution that customers know they can count on, which is critical for a library that is shared by numerous clients.

Value
The L5500 library continues the tradition of excellence in tape automation started over 14 years ago with the Nearline library family. The ability to scale the product in both capacity and throughput allows the product to grow as the customer's needs grow, providing true investment protection. Integrated with ACSLS software, the library provides the most flexible choices in software, providing an open solution today and in the future.

Target Market
The largest UNIX and NT customers with 150 TB's or more of tape storage to protect and manage. Large scale operations that require storage consolidation across servers. Businesses that want to utilize tape for operations in addition to backup and recovery such as HSM, check imaging, document imaging, fast archive and optical replacement.

Connectivity
Attachable to all major UNIX and NT platforms. Library control is managed by StorageTek's ACSLS host software, automatically supporting multiple hosts with multiple types of backup software. The library control path is provided through RS423 or optional TCP/IP interface. Separate library control and data paths provide availability, scalability, and multiple connectivity options. Tape drive connectivity is provided via Fibre Channel or SCSI interfaces for the LTO drives, and Fibre Channel, SCSI, or ESCON interfaces for the T9840 and T9940 drives.

Tape Drives
Current support for: (Updated: 01/09/02)
- LTO Ultrium Fibre / SCSI
- T9840 Fibre / SCSI / ESCON
- T9940 Fibre / SCSI / ESCON

Concurrent support of mixed drive technologies and media through partitioning. Unique ability to support both fast access (T9840) and high capacity tape technologies (LTO, T9940) and both mid-range (LTO) and enterprise (T9840/T9940) drives.

Key Features
- Capacity of 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, or 5500 LTO tape cartridges per Library Storage Module (LSM), or Capacity of 2000 LTO and 3500 T9840/T9940 cartridges per LSM, or Capacity of 3500 LTO and 2000 T9840/T9940 cartridges per LSM.
- Up to 24 LSMs can be connected and operated as a single library under ACSLS control, providing a maximum of 132,000 cartridges
- Up to 550 TB native per LSM
- Up to 13,200 TB native per automated cart. system
- Capacity upgrades are available

Performance of 1 to 80 tape drives per LSM for standalone LSM, 1 to 40 for dense pack configurations, up to a maximum of 960 drives per automated cartridge system

Drive	Single LSM	Max. Configuration
T9840B	up to 5.5 TB/hr.	up to 65.7 TB/hr.
T9940A	up to 2.9 TB/hr.	up to 34.6 TB/hr.
LTO Ultrium	up to 4.3 TB/hr.	up to 51.8 TB/hr.

Cartridge Access Port (CAP) capacity - 80, std.
High performance robotics
- Average cell to drive time - 6.25 sec

Management software
- ACSLS, which allows dynamic sharing of the library. Digital bar code reader, self-calibrating robotics, and automatic self-configuration.

Options
TCP/IP host interface, redundant AC power input, redundant Library Management Units

Reliability
MEBF - TBD
(Mean Exchanges Between Failures)
MTTR - <30 minutes
(Mean Time To Repair)

Serviceability
No periodic maintenance required
Redundant robotic hands
Optional redundant AC power input
Optional redundant Library Management Unit