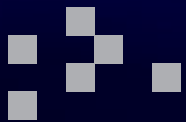


WORKGROUP SLR AUTOLOADER

AutoDR™





THE BIG PICTURE

- Eight SLR100 cartridges in an autoloader.
- Capacity: 400GB native (800GB compressed).
- Speed: 18GB/hour native (36GB compressed).
- Simplified unattended weekly backup.
- Logical extension of IBM's single internal SLR drive.
- SLR100 is backward compatible to SLR60.
- Roadmap to SLR140, SLR200 and SLR400.
- The only SLR autoloader available.
- LCD operator panel improves backup efficiency.
- SLR range: dual-drive unit and autoloader.
- Supports LVD, HVD, and FC connections.

GST's Workgroup SLR Autoloader is part of our AutoDR™ family. This Autoloader uses SLR100 tape technology and provides unattended backup capacity ranging up to 400GB native (800GB compressed). This compact library spans the gap between GST's Single and Dual Tape Subsystems on one end and GST's tape libraries on the other end, adding considerable granularity to the GST tape product line. With the 8-cartridge magazine, total unattended backup capacity exceeds that of a single tape drive by 7 to 10 times. An LCD panel provides an advanced operator interface for visibility over backup operations.

The removable magazine holds eight data cartridges, or seven data cartridges and a cleaning cartridge. The Workgroup SLR Autoloader can be used in a 7-day tape rotation procedure, allowing a full week, or even months, of unattended and automated data protection. Removable magazines are easy to handle and store, and facilitate the transfer of weekly backup data to remote locations in one easy step.

The Workgroup SLR Autoloader can backup a wide variety of servers. They connect natively with LVD (low voltage differential), HVD (high voltage differential), and FC (Fibre Channel) interfaces.

MODEL OVERVIEW

GST's Workgroup SLR Autoloader is configured in two server-to-SCSI Adapter interfaces and one fibre interface:

Low Voltage Differential (LVD). Maximum SCSI negotiation of 160MB/s; the total server-to-storage peripheral connectivity is 12 meters.

High Voltage Differential (HVD). Maximum SCSI negotiation of 40MB/s; the total server-to-storage peripheral connectivity is 25 meters.

Fibre Channel (FC). 2Gbit fibre interface.

SLR TECHNOLOGY

SLR (Scalable Linear Recording) tape technology has evolved through three generations to the popular versions today: SLR60 and SLR100. Native capacities for SLR60 and SLR100 are 30GB and 50GB (60GB, 100GB compressed) with speeds of 14GB/hour and 18GB/hour (28GB/hour, 36GB/hour compressed). It has a 6-generation roadmap that provides for a native capacity of 200GB per cartridge (400GB compressed) and a transfer rate of up to 115GB/hour (230GB/hour compressed).

SLR technology provides high capacity and performance, backward compatibility, reliability, scalability and the use of existing media now and in the future. Data is recorded in parallel on four tracks for SLR60 and SLR100. Data placement ensures that it can be read during a restore operation even if the media is degraded. The current generation of SLR technology is characterized by large data buffers, In-Line Compression feature and an Auto-Sense function that optimizes tape speed.

KEY BENEFITS

Simplified Weekly Backups – 8 cartridge magazine provides unattended SLR100 backup capacities of 400GB native (800GB compressed), fully automating backups for an entire week, to the point each week when the magazine is removed for safe storage.

Selective Restore – Barcodes on the cartridges permit a restore process to take place using only the specified cartridges in the magazine.

Expanded Unattended Backup Capacity – One magazine with eight data cartridges provides an unattended backup capacity of 400GB native and 800GB compressed (2 to 1 compression ratio).

Media Investment Protection – Each SLR technology is backward-read compatible to earlier generations, and forward-read compatible to future generations. SLR100 drives in the GST SLR Library can read tapes from both SLR60 and SLR7 cartridges.

KEY FEATURES

LCD Front Panel Menu – Multi-function LCD display provides comprehensive menu-driven command and control functions for setup, configuration, operations and diagnostics.

Mailslot – A separate Mailslot (IO slot) is used for importing and exporting individual tape cartridges under application control.

Barcode Selective Restore – Barcode reader permits cartridge scanning and supports random access for selective restore from specified cartridges.

Convenient Drive Interface – RS232 interface permits updating firmware and optimizing drive performance.

Service and Support – A variety of support programs provide installation and onsite service; includes GST's Accelerated Ship Program (GASP) to get replacement units on the scene rapidly.

Warranty – Purchase price includes a built-in manufacturer's warranty of three years.



WORKGROUP SLR AUTOLOADER

AutoDR™

SPECIFICATIONS	SLR100
Capacity	
Native	400 GB
Compressed ¹	800 GB
Sustained Transfer Rate - MB/s	
Native	5 MB/s
Compressed ¹	10 MB/s
Sustained Transfer Rate - GB/hr	
Native	18 GB/hr
Compressed ¹	36 GB/hr
Drives and Media	
Drive Type	SLR100
Media	SLRtape 100
Autoloader Configuration	
Number of Drives	1
Number of Cartridges	8
Autoloader Specifications	
Average Exchange Time	10 seconds
MSBF	> 250,000 cartridge changes
MTBF	> 300,000 hours
Uncorrectable Error Rate	10 ¹⁷ bits
Physical Specs, Autoloader Only	
Dimensions (H x W x D), Desk	7" x 9" x 22.75"
Weight, Desk	30 lbs
Dimensions (H x W x D x U), Rack	7" x 9" x 22.75" x 2U
Weight (unpopulated), Rack	30 lbs
Warranty	3 Years



1. Compressed Capacity & Transfer Rate Assumes 2:1 Ratio.



3419 Via Lido, Suite 164
Newport Beach, CA 92663
949.673.1248 ~ 949.673.3163 - Fax
www.gstinc.com ~ sales@gstinc.com

GST, Inc. engineers, manufactures, markets and sells a full line of innovative storage backup and restore products to meet today's need for high-performance, fail-safe reliability and cost-effective data storage. Products include single and dual tape subsystems, autoloaders, midrange tape libraries and modular enterprise-wide libraries. Complete information about the company, its products and support can be found at: www.gstinc.com

©2004 GST, Inc. All trademarks and registered trademarks are the property of their respective owners. Specifications subject to change without notice. Doc 84-02