



WESTPOINT



## I-6594 "Magstar" Magnetic Tape Library for IBM S/390

### Highlights

#### Automated Tape Library

##### 2 to 16 Tape Drives

- IBM 3590 Format
- IBM 3490 Format
- IBM 3480 Format

#### Control Unit

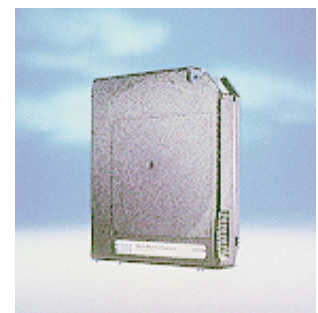
##### Up to 8 Channel Interfaces

- ESCON
- Block Multiplex
- SCSI
- Fibre Channel

#### Fault Tolerance

- Up to 4 Library Modules
- Fault tolerant TWIN Control Unit
- Fault tolerant Power Supply
- RAID Protection for System Disk

#### Remote Diagnostic



The I-6594 Magstar Magnetic Tape Server is an economic and flexible library system for IBM Mainframes and Open Systems. It supports IBM 3590 / 3490 / 3480 tape formats and provides scalable tape storage, ranging from 3.1 TB to more than 15,7 TB native. Connectivity is provided to IBM Mainframes via ESCON and Block Multiplex Channel and to UNIX and Windows NT via SCSI and Fibre Channel.

The IBM 3590 tape technology supported by the I-6594 Library Data Server has evolved as a quasi standard for high end computer systems. The modular Library Data Server includes up to four library building blocks and an ESCON Control Unit. A virtual tape controller with up to 2 TB disk cache is available as an optional feature.

#### Scalable Tape Storage

The basic library unit holds 158 cartridges. It provides more than 3 TB native tape storage and can be equipped with up to 4 IBM 3590 tape drives. As many as 3 extension units with up to sixteen IBM 3590 tape drives and 788 cartridges can be attached. A fully equipped library provides space for 15.7 TB native or up to 47 TB compacted data. The library performs up to 350 swaps per hour with an average cartridge access time of less than 6 seconds. Mean Time Between Failure is 1,000,000 swaps. Bar Code identification for cartridges is standard.

The library can be equipped with a mix of IBM 3590, 3490 and/or 3480 compatible tape drivers, providing a smooth upgrade path to the new IBM 3590 tape technology.

#### Cartridge Input / Output Station

The Cartridge I/O Station inserts or ejects up to 12 cartridges at a time without stopping the library's automatic operation. The op-

erator can also open the door and insert or remove multiple cartridges.

#### S/390 Connectivity

The I-6594 Library Control Unit provides connectivity to S/390 via up to 8 ESCON and / or Block Multiplex Channel interfaces. Up to 8 cached Storage Directors maintain connectivity to a total of 16 tape transports, supporting an aggregated data rate of 160 MB/s.

The Library Manager controls cartridge movement by intercepting Load / Display messages, eliminating the need of any Host Software Component for robot control. Supported are all Tape Management Systems, including RMM and CA 1. Remote Diagnostic is a standard feature.

#### Connectivity to AS/400 RS/6000, UNIX and NT

Interface features No. 2644 and 6501 are supported for AS/400 connectivity. SCSI W/F interfaces provide connectivity to RS/6000 and Open Systems.

#### Sharing Library Between Different Platforms

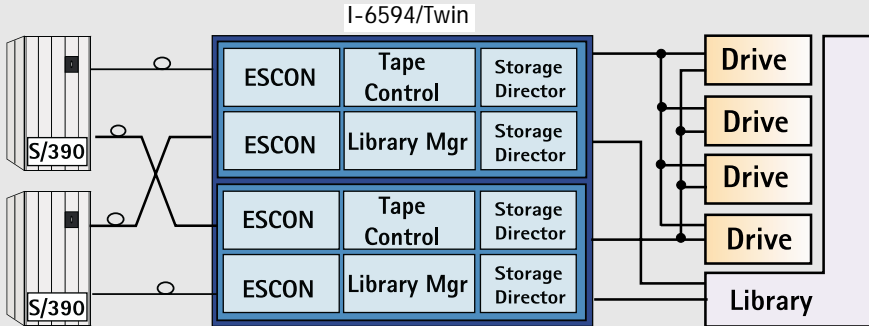
The library can be shared between different platforms by dividing it into two or more logical library partitions

## I-6994 Enterprise Virtual Library

The Virtual Library Server includes up to 4 TB fault tolerant disk cache. It emulates up to 128 logical tape drives and assures full utilization of high capacity tape cartridges by stacking multiple virtual cartridges to a single physical 3590 cartridge. Tape data are cached on disk and eventually migrated

robotic of one module does not effect the functionality of the others. A defective module can still be operated manually.

The optional I-6594/TWIN Control Unit provides fault tolerance for library control and data path. Whenever one of the Twins fail, the other one will take over its duty. Redundant Power Supplies and RAID



to tape in the background. Furthermore, by providing up to 128 virtual tape drives, the application programs do not need to wait for the availability of real tape drives.

The Enterprise Virtual Library Server manages data for the whole enterprise by providing connectivity to S/390, AS/400, RS/6000, UNIX and Windows NT systems.

### Fault Tolerance

The I-6594 provides fault tolerance at different levels. All four library modules work independent of each other. A failure in the

Protection for the controllers system disk are available as optional features.

### Investment Protection

The I-6594 Magnetic Tape Library Data Server is a future oriented investment, meeting today's tape processing needs. With the ability to be upgraded to a virtual system and to the next generation tape drives, it will meet the users requirements for the future.

## Specifications

	Control Unit	Basic Library	W / 1. Exp.	W / 2. EXP.	W / 3. Exp.
Number of Cartridges		158	368	578	788
Capacity native		3,2 TB	7,36 TB	11,56 TB	15,76 TB
Number of Drives		4	8	12	16
3590 Drive Support		yes	yes	yes	yes
3490 Drive Support		yes	yes	yes	yes
3480 Drive Support		yes	yes	yes	yes
Host Interfaces	8				
ESCON	yes				
Block Multiplex	yes				
SCSI F/W	yes				
Fibre Channel	yes				
Fault Tolerance	option				
Redundant Power Supply	option				
RAID Protection	option				
Remote Diagnostics	standard				
Dimensions (cm) w x h x d	65x110x92	75x180x153	750x180x153	750x180x153	750x180x153
Weight (kg/pound)*	82 / 182	478 / 1061	325 / 721	325 / 721	325 / 721
Power 110/220 V (KVA)*	0,8	1,6	1,4	1,4	1,4

\*Excludes tape drives and cartridges

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