



WESTPOINT



I-6590/AIT High Capacity Cartridge System for IBM-Users

The I-6590/AIT 8 mm tape cartridge system offers an outstanding combination of performance, capacity and price. It utilizes up to 6 MB/s data rate and features a storage capacity of 25 to 65 gigabytes per cartridge. Loader and libraries for hundreds of terabytes are available for automated tape processing.

Performance

The I-6590/AIT is based on Sonys Advanced Intelligent Tape (AIT) technology. It supports a native data rate of 3 MB/s and up to 6 MB/s in compressed mode. With an average compression rate of 2.6 : 1, as many as 65 GB can be stored on a single cartridge. Loaders and libraries are available to store terabytes of data.

Built for Reliability

The high accurate tape guide system and the adaptive control mechanism provides reliability and durability. Meantime between failure is 200,000 hours and the bit error rate is better than 10¹⁷.

Numerous diagnostic aids, including a comprehensive offline test and cumulative error information help to isolate and repair failures quickly.

IBM S/370, S/390 and SNI Connectivity

The I-6590/AIT connects to IBM S/370, S/390 and compatible systems (Amdahl, Comparex, HDS and SNI BS2000) via the Block Multiplex Channel. Data interlock mode, high speed data mode and data

streaming up to 4.5 megabytes per second are supported.

ESCON for ES/9000 and SNI

An optional ESCON interface provides connectivity to IBMs Enterprise Systems ES/9000 and SNI BS2000. It features all the advanced ESCON capabilities, such as extended distance and high data throughput.

AS/400, RS/6000, UNIX and LAN Connectivity

The cartridge tape system provides advanced storage technology for high speed back-up and restore capability to midrange systems and workstations. Connectivity is provided to AS/400 via the interface features 2644 or 6501 and to RS/6000 via SCSI 2 fast and wide.

Popular Tape System Emulation

The I-6590/AIT cartridge system emulates various IBM and SNI tape systems, including IBM 3480, 3490 and 3590 as well as SNI 3580, 3590 and 3591. It provides compatibility with all popular operating systems.

Highlights

Compatibility

IBM 3480, 3490, 3590
SNI 3580, 3590, 3591

Storage Capacity

25 GB/cartridge uncompressed
65 GB/compressed

Sustained Data Rates

3 MB/s uncompressed
up to 6 MB/s compressed
17 MB/s ESCON burst rate
4.5 MB/s BMX burst rate

Connectivity

IBM S/370, S/390
Amdahl, Comparex, HDS
AS/400, RS/6000
SNI BS2000

ESCON Interface

Extended distance
Extended data rate

Sophisticated Controller

Dynamic Four Channel Switch
Four storage directors support:
· IBM 3480/90 compatible drives
· 1/2" open reel
· 8 mm EXABYTE VIDEO 8
· 1/4" QIC tape drives
· Optical disks

A Powerful Control Unit

Intercoms unique control unit connects to all IBM channels, to SNI channel type 2 and channel type S and to SCSI interfaces. A dynamic channel switch feature supports access via up to four hosts.

The control unit includes up to four cached storage directors, maintaining simultaneous high speed operation for up to 16 tape transports. The Mixed Media feature provides connectivity to other tape and disk formats including IBM 3480 and 3490, IBM 3422 compatible open reel tapes, NCTP, EXABYTE 8 mm, DAT 4 mm and optical disk.

Specifications

Performance

Drive	AIT
Sustained Data Rate	3 MB/s
Compressed (2,6:1)	6 MB/s
Peak Data Rate	10 MB/s

Data Organization

Recording Format	Helical Scan
Capacity uncompressed	25 GB
Capacity compressed	65 GB

Recording Media

Tape Cartridge	8 mm AME Tape
Length	170 m

Reliability

MTBF	200,000 hr.
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Loader and Libraries

I-6590/AIT-4	4 cartridges
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Interface

IBM ESCON Fiber Optic Channel
IBM Block Multiplex Channel
AS/400 Feature # 2644, 6501
RS/6000 S/370 Channel Emulator
SCSI-2 Interface

Control Unit

Supported devices	16
Number of channels	4
Channel switch	16 x 12

Other supported Media

1/2 inch open reel
3480, 3490, 3590 cartridge drives
8 mm EXABYTE drive
4 mm and QIC drives
Optical Disk

Device Emulation

IBM 3480, IBM 3490, IBM 3590,
SNI 3580, SNI 3590, SNI 3591

Dimensions (Control Unit)

Width	19"	(482,6 mm)
Height	4 HU	(177,8 mm)
Depth	27"	(700 mm)
Weight	58.7 lb	(27 kg)

Westpoint Peripherals Ltd
Felton Lane
Felton
Bristol, BS40 9UX
Tel: +44 (0)1275 474740
Fax: +44 (0)1275 474760
E-mail: sales@wpoint.co.uk
<http://www.wpoint.co.uk>