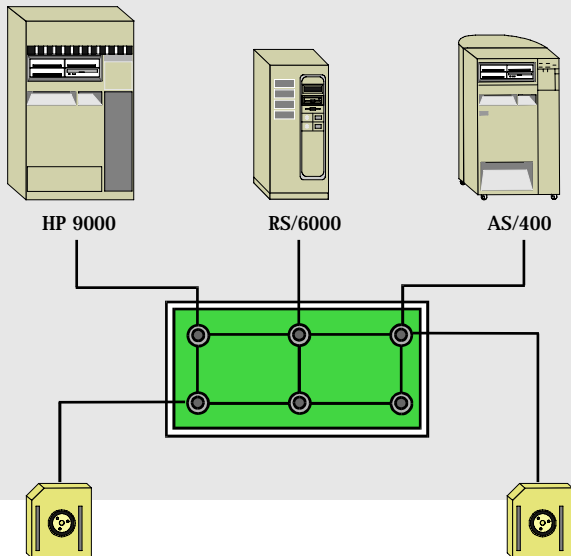




WESTPOINT



# I-2200

## Automatic SCSI Switch for AS/400, RS/6000 and NT

### Highlights

**Supports up to 24 hosts**

AS/400, RS/6000, S/370, S/390  
SUN, Siemens, DEC, HP, PC and others

**Supports up to 24 drive**

IBM 3590, 3570  
IBM 3480, 3490  
NCTP, DLT, EXABYTE, AIT, DAT, Open Reel

**Control**

Manual via local or remote panel  
Program controlled via PC station  
Host controlled

**Interfaces**

AS/400: # 2621, 2644, 2729, 6501, 6534,  
SCSI 1, 2 and 3, narrow, wide, fast, ultra,  
single ended and differential  
S/390 ESCON, Block Multiplex Channel

**Interface Conversion**

Single Ended to Differential  
Differential to Single Ended  
ESCON to SCSI  
Block Multiplex to SCSI

**Configuration**

I-2201: 2 x 1 to 2 x 2  
I-2204: 2 x 1 to 24 x 24

The I-2200 program controlled SCSI Switch enables unattended backup for multiple hosts onto shared tape drives. Sharing tape drives reduce costs and enhance security and availability for backup and restore.

### Save by Sharing Resources

Latest tape technologies are reliable, fast and provide high storage capacity. With data throughput of up to 35 GB per hour, one tape transport can perform backup for two, three or more host systems within a given back up window and significantly decrease restore time in an emergency situation. But new tape systems are expensive. Multiple use of high tech tape drives can justify those investments.

The TapeSwitch basic module supports up to 4 host systems and 1 to 4 magnetic tape drives for the same or different data formats. Switching systems for up to 24 hosts and 24 drives can be configured by cascading several 4 x 4 switch modules. Switch control is performed via a local or remote control panel, via a PC based centralized control station, or program controlled via a host control feature.

### Unattended Backup

The host control feature provides unattended backup capability. It includes a switch controller and a host software driver.

When a host wants to initialize a backup operation, it requests a tape drive via an RS 232 line. If a drive is available, the switch will attach the drive to the host and the backup can begin. If no drive is available, the host will repeat the request later. When the backup is completed, the tape drive is released and becomes available to other systems.

### AS/400, RS/6000 and S/390

The Switch supports AS/400 interface features 2621, 2729, 6501, 6534 and 2644 as well as the RS/6000 interface features 2412, 2416, 2426 and all SCSI interfaces. By means of Channel-to-SCSI converter, IBM S/370 and S/390 mainframes with ESCON or Block Multiplex Channel are also supported.

### PC, Server and UNIX Systems

The TapeSwitch supports SCSI 1, 2 and 3 narrow and wide as well as Block Multiplex Channel and ESCON. It enables enterprise wide device sharing between LAN Server, PC, UNIX Systems, RS/6000, AS/400 and mainframes.

### Interface Extension and Single Ended to Differential Conversion

The I-2204 electronic switch regenerates interface signals, allowing doubling the cable lengths between host and device. It can also be used to convert SCSI signals from single mode into differential and vice versa.

By taking advantage of extended differential line driver capability, a host with a single ended SCSI interface extends its interface radius from 6 m to more than 20 m and the single ended interface cable Length of 6 m can be doubled. If this is not enough, a fiber optic extension can be added to extend the distance up to 45 km.

## More Flexibility when using Tape Robots

Sharing tape drives and extending distances is especially beneficial, when using automated tape archives. It allows building a department or enterprise wide backup and archiving solution, justifying the investment into high performance tape drives and tape robots.

## Growth and Migration

The TapeSwitch will grow with the users demand. If an additional server is needed, it can be connected to the existing backup system via the switch. If the backup window becomes too narrow because of growing data bases, add another tape drive via the switch.

When migrating to new tape technologies, access to the old drives may still be necessary in many cases. Especially when new drives are not backward compatible to the old ones, as when migrating from 3490 to 3590 tape technology. With TapeSwitch, the host can have access to both tape generations even if they have different data formats. This feature protects investments and enables a smooth migration to new technology.

## Security and Availability

The switch provides better utilization of resources and can create redundant data paths for building fault tolerant backup systems. If one tape drive fails, the host can access the backup data on an alternative drive.

Advanced availability features including redundant power supply and redundant switch control is available.

## Investment pays back

The TapeSwitch reduces costs for purchasing and maintaining backup systems and increases its security and availability. With more flexibility, better availability and better utilization of resources, the tapeswitch justifies itself quickly.

## Specifications

### Configuration

Model 2201:	2 x 1 to 2 x 2
Model 2204:	2 x 1 to 24 x 24

### Supported System

AS/400	#6501, 6534, 2621, #2729, 2644
RS/6000	#2412, 2416, 2426 BMX Emulator
S/390	ESCON, Block Multiplex Channel
SUN, HP, DEC, Data General, Server, PC	SCSI 1, 2 and 3 narrow and wide, fast and ultra fast single ended, differential

### Power

110/220 V, 50/60 Hz, 250 Watts

### Operation Environment

Operating Temperature	10 to 42° C 50 to 108° F
Humidity	10 to 95% rel.

### Dimensions

Model 2201:	w= 19 inch, d= 10,6 inch h= 3,5 inch (2 EIA Units)
Model 2204:	w= 19 inch, d= 15,1 inch h= 10,05 inch (6 EIA Units)

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