

R1430-SI 1U Rack Mount Data Storage



Features

- Supports RAID levels 0, 1, 0+1, 3, 5, & JBOD
- Features an Intel 80303 64 bit RISC I/O processor
- Supports up to 512MB of cache
- Dual SCSI Ultra 160 LVD host ports
- Smart-function LCD panel
- Supports up to four (4) 1" hot – swappable Ultra DMA hard drives
- High quality advanced cooling
- Environmental monitoring unit
- Supports hot spare and automatic hot rebuild
- Industry standard 19" rack-mountable 1U chassis
- Transparent data protection for all popular operating systems
- Tagged command queuing for 255 commands, allows for overlapping data streams
- Allows online capacity expansion within the Enclosure
- Dual host channels support clustering technology
- Built – in serial port interface for remote event notification
- Real time drive activity and status indicators
- Local audible event notification alarm
- Browser-based Java GUI management utility

Purpose-built for high volume, fail-safe data storage applications, the R1430-SI sets new standards in its class. This industry standard 19-inch rack-mountable 1U chassis RAID subsystem features 4 hot-swappable Ultra DMA drive trays providing 750GB useable storage in RAID 5 (with 4 x 250GB HDD fitted). For mission critical applications requiring aggressive performance, total reliability and system scalability, the R1430-SI is the obvious solution.

The unit is equipped with Ultra160 / FC-AL to Ultra DMA RAID controller to offer fault tolerant data protection and 100% transparency to the host operating system. A fully featured data protection subsystem supporting RAID levels 0, 1, 0+1, 3, 5 & JBOD, it is the ideal storage solutions for applications requiring high data throughput, continuous availability, and flexibility in configuration.

System reliability is ensured by an environmental monitoring unit which tracks the enclosure temperature as well as individual disk temperatures. Power supply and fan are continuously monitored and the high quality advanced cooling module provide an optimal environment for high RPM drives. If any irregularity in these systems occurs, the monitoring unit alerts the administrator with an audible alarm, or by fax or pager.

The R1430-SI comes with 4 drive trays accommodating 3.5" Ultra DMA drives while the SCA-II single connector architecture enables true hot swap capability.

With a menu driven front panel display, a terminal serial port, real time drive status indicators and a Java-based GUI interface, the R1430-SI offers a variety of options for monitoring and management. The R1430-SI offers massive storage capability in a quick and simple to set up package.

Model	R1430-SI SCSI U160 Host Interface
Form-factor	1U 19-inch rackmount chassis
RAID processor	Intel 80303 64 bit RISC
RAID level	0,1,0+1,3,5 , JBOD
Cache memory	128MB to 512MB
No. of channels (host+drive)	2 + 4
Host bus interface	Dual SCSI Ultra 160 LVD
Drive bus interface	Ultra DMA 100, also supports UDMA133
Data transfer rate	Up to 160Mb / Sec per interface
Back plane board	Ultra DMA100 (SCA-11), UDAM133 applicable
Hot-swap drive trays	Four (4) 1 – inch trays
Drive tray connectors	SCA-11 80pin
Power Supply	250W power supply w/PFC
Tagged command queuing	Up to 512 commands
Cooling fan	Integrated blower
Fax/Pager notification	Yes
Password protection	Yes
Audible alarm	Yes
Failed drive indicators	Yes
Failed drive auto rebuild	Yes
On-line consistency check	Yes
Continuous rebuild	Yes
On-line expansion	Yes
Host independent	Yes
New disk auto spare	Yes
Environment monitor	Yes
New disk auto-spare	Yes
UPS connection	Yes
Bad block auto-remapping	Yes
Power requirements	AC 100V ~ 240V +/- 10%Full Range. 50 – 60 Hz, 3A @240V AC
Environmental Relate Humidity: Operating Temp: Non – operating Temp:	10% to 85% Non-condensing 10°C to 40°C -20°C to 60°C
Physical Dimensions	44 (H) x 449 (W) x 580(D) mm
Weight	12kg/26.4lb (without drives)

