

R31610 3U Rack Mount Data Storage



- **Dual SCSI or F/C Host Interface**
- **ATA or Serial ATA Drives**
- **16 Hot Swap Disks**
- **Over 4TB Storage in just 3U**

Purpose-built for high volume, fail-safe data storage applications, the R31610 sets new standards in its class. This industry standard 19-inch rack-mountable 3U chassis RAID subsystem features 16 hot-swappable hard disk drive trays to give a storage capacity of up to 4 Terabytes (with 16x 250GB drives). For mission critical applications requiring aggressive performance, total reliability and system scalability, the R31610 is the obvious solution.

The unit is equipped with a fast hardware RAID controller with dual host interfaces to offer fault tolerant data protection and 100% transparency to the host operating system. A fully featured data protection subsystem supporting all popular RAID levels, 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 that tracks the enclosure temperature, as well as individual disk temperatures. Three Hot swappable redundant power supplies with separate power cords are continuously monitored and high quality advanced cooling modules provide an optimal environment for high RPM drives.

With a menu driven front panel display, real time drive status indicators and a Java-based browser GUI interface, and the optional RLINK SNMP Ethernet management module, the R31610 offers a variety of options for monitoring and management.

Features

- Supports RAID levels 0, 1, 0 +1,3, and 5 (6 on SI version)
- Intel 64 bit RISC I/O processor
- Supports up to 512MB/(1024MB) of cache
- Dual SCSI host ports or 2GB Fibre host ports (Optical) with clustering support
- Smart-function LCD panel
- Supports up to 16 Ultra DMA or SATA hard drives in hot swap carriers
- Redundant load sharing hot-swappable power supplies
- High quality advanced cooling fans
- Environmental monitoring unit
- Optional RLINK SNMP over Ethernet management module
- Supports hot spare drive and automatic hot rebuild
- Industry standard 19" rack-mountable Aluminium 3U 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
- Up to 4 separate RAID arrays per enclosure
- Real time drive activity and status indicators
- Local audible event notification alarm, plus pager/fax output.
- Browser-based Java GUI management utility

Model	R31610 SI	R31610 SA	R31610 FA
Hard Drives	ATA	Serial ATA	Serial ATA
Form-factor	3U 19-inch rackmount	3U 19-inch rackmount	3U 19-inch rackmount
RAID processor	Intel 80321 64 bit RISC	Intel 80303 64 bit RISC	Intel 80303 64 bit RISC
RAID level	0,1,0+1,3,5 and 6	0,1,0+1,3,5	0,1,0+1,3,5
Cache memory	128MB to 1024MB	128MB to 512MB	128MB to 512MB
Host bus interface	Dual SCSI Ultra 160 LVD	Dual SCSI Ultra 160 LVD	Dual FC-AL 2GB Optical
Disk interface	UDMA 133 x 16	SATA 150 x 16	SATA 150 x 16
Data transfer rate	Up to 160Mb / Sec	Up to 160Mb / Sec	Up to 160Mb / Sec
Back plane board	UDMA 133	SATA 150	SATA 150
Hot-swap drives	16 x 1 inch trays	16 x 1 inch trays	16 x 1 inch trays
Hot swap supplies	3 x 300W	3 x 300W	3 x 300W
Tagged command queuing	Up to 255 commands	Up to 255 commands	Up to 255 commands
Cooling fans	2 hot swap	2 hot swap	2 hot swap
Password protection	Yes	Yes	Yes
Audible alarm	Yes	Yes	Yes
Failed drive indicators	Yes	Yes	Yes
Failed drive auto rebuild	Yes	Yes	Yes
On-line consistency check	Yes	Yes	Yes
Continuous rebuild	Yes	Yes	Yes
On-line expansion	Yes	Yes	Yes
Host independent	Yes	Yes	Yes
New disk auto spare	Yes	Yes	Yes
Environment monitor	Yes	Yes	Yes
Power requirements	AC 90V ~ 254V Full Range 12A/6A. 50HZ / 60HZ	AC 90V ~ 254V Full Range 12A/6A. 50HZ / 60HZ	AC 90V ~ 254V Full Range 12A/6A. 50HZ / 60HZ
Relate Humidity: Operating Temp: Non – operating Temp:	10% to 85% Non-condensing 10°C to 50°C -40°C to 60°C	10% to 85% Non-condensing 10°C to 50°C -40°C to 60°C	10% to 85% Non-condensing 10°C to 50°C -40°C to 60°C
Dimensions	133 (H) x 482 (W) x 569(D) mm	133 (H) x 482 (W) x 569(D) mm	133 (H) x 482 (W) x 569(D) mm
Weight	18.5kg (without drives)	18.5k (without drives)	18.5kg (without drives)

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Specifications subject to change without notice

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