

R3168 3U FC/SCSI - SCSI Data Storage



Features

- Supports RAID levels 0, 1, 0 +1,3, and 5
- Features an Intel 80303 64 bit RISC I/O processor
- Supports up to 512MB of cache
- Dual Ultra 320 LVD host ports or 2GB Fibre Channel Options
- Smart-function LCD panel
- Supports up to 16 1" hot – swappable SCSI SCA-II hard drives
- Redundant load sharing hot-swappable power supplies
- High quality advanced cooling fans
- Environmental monitoring unit
- Supports hot spare and automatic hot rebuild
- Weight reduced Aluminium 19" rack-mountable 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
- 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

- **Dual SCSI or FC Host Interface**
- **Up to 16 Hot Swap SCSI Disks**
- **Redundant Power and Cooling**
- **Over 2TB Storage in Just 3U**
- **JBOD Expansion Unit Available**

Purpose-built for high performance, fail-safe data storage applications, the R3168 sets new standards in its class. This industry standard 19-inch rack-mountable 3U chassis RAID subsystem features 16 hot-swappable high performance SCSI drive trays to give a storage capacity of over 2 Terabytes (with 16x 147 GB drives). For mission critical applications requiring aggressive performance, total reliability and system scalability, the R3168 is the obvious solution.

The unit is equipped with a hardware 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 and 5, it is the ideal storage solutions for applications requiring high data throughput, continuous availability, and flexibility in configuration.

An integrated environmental monitoring unit tracks the enclosure temperature as well as individual disk temperatures. Hot swappable redundant power supplies are continuously monitored and high quality advanced cooling modules provide an optimal environment for high RPM drives.

With a menu driven front panel display, a terminal serial port, real time drive status indicators and a Java-based GUI interface, the R3168 offers a variety of options for monitoring and management, and massive storage capability in a quick and simple to set up package.

Model	R3168 SS	R3160 FS
Hard Drives	SCSI	SCSI
Form-factor	3U 19-inch rackmount	3U 19-inch rackmount
RAID processor	Intel 80303 64 bit RISC	Intel 80303 64 bit RISC
RAID level	0,1,0+1,3,5	0,1,0+1,3,5
Cache memory	256MB to 512MB	256MB to 512MB
Host bus interface	Dual SCSI Ultra 320 LVD	Dual 2GB Optical Fibre Channel FS
Disk interface	SCSI Ultra 320 LVD	SCSI Ultra 320 LVD
Data transfer rate	Up to 320Mb / Sec	Up to 200Mb / Sec
Back plane board	SCSI U320	SCSI U320
Hot-swap drives	16 x 1 inch trays	16 x 1 inch trays
Hot swap supplies	3 x 300W	3 x 300W
Tagged command queuing	Up to 255 commands	Up to 255 commands
Cooling fans	2 hot swap	2 hot swap
Password protection	Yes	Yes
Audible alarm	Yes	Yes
Failed drive indicators	Yes	Yes
Failed drive auto rebuild	Yes	Yes
On-line consistency check	Yes	Yes
Continuous rebuild	Yes	Yes
On-line expansion	Yes	Yes
Host independent	Yes	Yes
New disk auto spare	Yes	Yes
Environment monitor	Yes	Yes
Power requirements	AC 90V ~ 254V Full Range 12A/6A. 50HZ/60HZ	AC 90V ~ 254V Full Range 12A/6A. 50HZ/60HZ
Environmental Relate Humidity: Operating Temp: Non – operating Temp:	10% to 85% Non-condensing 10°C to 50°C (50°F to 122°F) -40°C to 60°C (-40°F to 140°F)	10% to 85% Non-condensing 10°C to 50°C (50°F to 122°F) -40°C to 60°C (-40°F to 140°F)
Physical	133 (H) x 482 (W) x 569(D) mm	133 (H) x 482 (W) x 569(D) mm
Weight	18.5Kg (without drives)	18.5kg (without drives)



Westek Technology Limited, Unit 1, Lancaster Park Industrial Estate, Bowerhill, Melksham, Wiltshire, SN12 6TT, UK
PHONE: +44 (0) 1438 745531 FAX: +44 (0) 1225 702968 INTERNET: www.westekuk.com EMAIL: sales@westekuk.com
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