

# R3164Si Power iSCSI / NAS

- ▶ High Performance iSCSI or NAS Storage
- ▶ Massive 16TB+ Raw Storage Capacity
- ▶ Integrated Hardware RAID Engines
- ▶ Enterprise Class Disk Technology
- ▶ 6 Gbit Ethernet Interfaces As Standard
- ▶ Simple and Easy to Manage
- ▶ Ultimate RAID 6 Data Security



## *High Performance, High Capacity, NAS or iSCSI Storage*

- ▶ **Scaleable Storage** – Provision storage capacity to multiple servers from one or more iSCSI target storage system. Add multiple iSCSI storage systems to expand storage capacity, simply and easily.
- ▶ **Low Cost Connectivity** – iSCSI provides all the advantages of direct attached storage, but uses standard Ethernet cables to connect to your host servers (Initiators). That means no high cost SCSI or Fibre Channel Interfaces are required on your server, just standard Gbit network cabling and low cost Ethernet ports are needed to build your storage area network.
- ▶ **Very High Performance**—Westeks POWER iSCSI systems provide up to 1.3GBytes per second sustained read / write performance, fully utilising all 6 Gbit Ethernet interfaces included as standard (expandable) exceeding the performance of fibre channel SANs.
- ▶ **Data Replication and Seamless Failover** – With Westeks block level data replication option, two Power iSCSI systems provide ultimate data security by replicating data in real time to a second unit located either locally or remotely even over a low bandwidth link. Should the primary unit fail, the second unit automatically takes over ensuring seamless access to your data and maintaining data integrity, thus providing an instant DR solution with no down time.
- ▶ **Data Recovery** – With Westeks Embedded Snapshot option, automatic time stamped snapshots may be taken to enable rapid recovery from virus data corruption or accidental deletion right down to individual file level. Snapshots may also be mounted anywhere on your network to allow easy data backup.

## Hardware Features

- ▶ High Density Rugged 3U Rack Mount chassis
- ▶ 16 Hot Swap SAS or SATA Disk Drive Bays
- ▶ Redundant Hot Swap Power Supply
- ▶ Redundant Hot Swap Cooling Fans
- ▶ High Performance 64 Bit Hardware RAID Controller
- ▶ Six Gbit LAN Interfaces (Options for 10Gbit)
- ▶ Dual Quad Core 64 Bit Processor iSCSI Engine
- ▶ RAID 5 and RAID 6 Data Protection
- ▶ Hot Standby Disk Drive Support
- ▶ Automatic Rebuild Support



R3164Si Power iSCSI RAID Storage System

## Data Capacity

The R3164Si Power iSCSI or NAS RAID storage system supports up to 16 hot swap SAS or SATA II disk drives including 250GB, 500GB, 750GB and 1TB SATAII and 146GB, 300GB and 450GB SAS models. Each system is configured with disk drives, the RAID built to your chosen specification including any hot spares and fully tested prior to shipment. With 16 x 1TB disk drives fitted, the unit provides a raw capacity of 16TBytes which in the recommended RAID 6 configuration provides 14TBytes useable less formatting.

## Specification

Hard Drive Interface	16 x 3Gbits/Second SAS or S-ATA II Channels, Hot Swap Carriers External SAS Expansion Port for up to 128 Disks in Optional Expansion Chassis.
Data Interface	Six Gbit Ethernet (copper) RJ45 as Standard (Expandable to 14) Optional Dual 10Gbit CX4 Copper or MM Optical Ethernet Interfaces Compliant with all Standard iSCSI Initiators including Windows, Linux, Novel, VMware, and Sun Solaris.
RAID Controller	Ultra High Performance 16 Channel 64 Bit H/W RAID Controller Up to 1.3GBytes/Second Sustained Read / Write Up to 110,000 I/O per Second Performance Supports RAID 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD MAID, Disk Roaming, Dynamic Expansion, Hot Spare and Auto Rebuild
iSCSI / NAS Engine	Dual 64 Bit Quad Core Xeon Processors Wire-Speed Performance on Gigabit Interfaces
Cooling	Three 120mm Integrated Replaceable Redundant Fan Modules 120CFM each Fan. Front Mounted (Blowers). Air Flow Front to Rear
System Monitor	Alarming on Fan Speeds and Temperature Disk and RAID Fault Monitoring and Remote Alerting
Power Supply	650W Redundant Load Sharing (2+1) AC Power Supply Triple Power Cords Auto-ranging 100 to 240 Volts AC +/-10%, 47Hz to 63Hz Power Consumption 450W typical
Environmental	Operating +10 to +35 deg C 18 to 22 deg C recommended Storage 0 to +55 deg C Humidity 10 to 85% Non-condensing
Physical	Weight 16Kg (excluding hard drives) 3U 19" rack, 444mm Wide x 133mm High x 711mm Deep
CE Compliance	Conforms with EEC Directives on EMC & Safety Designed to Meet UL and FCC Requirements



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Specifications subject to change without notice

