

# R8488Si Power iSCSI / NAS

- ▶ High Performance iSCSI and NAS Storage
- ▶ Massive 96TB+ Raw Storage Capacity
- ▶ Dual 64 Bit Hardware RAID Engines
- ▶ Enterprise Class Disk Technology
- ▶ Ten GBit Ethernet Interfaces as Standard
- ▶ Snapshot and Replication Options
- ▶ RAID 6 Support For Ultimate Data Security



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

- ▶ **Scalable Storage:** Provision storage capacity to multiple servers from one or more iSCSI storage systems. Add multiple iSCSI storage systems to expand storage capacity, simply and easily using standard Gbit Ethernet or 10Gbit Ethernet via Optical or Copper cables to connect to your host servers.
- ▶ **Windows Storage Server:** All the benefits of Microsoft's developments in Storage Server, ensuring close integration with your Windows (and most other) server networks when used as a NAS, with easy to use familiar API's. Ideal for use in mixed and native mode Active Directory environments.
- ▶ **Easy to Set-up and Manage:** Enhanced Web based user interface for simple efficient management of the iSCSI / NAS device. Administrators will find remotely managing using the Windows Storage Servers Web User Interface very quick and easy, enabling set-up of NAS and iSCSI Virtual Disks in just a few short steps.
- ▶ **High Performance:** Provides phenomenal performance capable of over 2GBytes per second sustained read / write capability when fully configured, and using the dual 10Gbit Ethernet ports (optional), exceeding the performance of traditional fibre channel SANs.
- ▶ **Data Replication and Seamless Failover:** With Westek's 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 Westek's Embedded Snapshot feature, 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.
- ▶ **Cost Effective :** No user licenses fees, low cost of ownership, and backed by Westek's excellent optional on-site support services.

### Hardware Features

- ▶ High Density 8U Rack Mount Chassis with 48 Front Access Hot Swap Drive Bays
- ▶ 1500W Multi Module Redundant Hot Swap Power Supply and Redundant Hot Swap Cooling Fans
- ▶ Dual High Performance 64 Bit Hardware RAID Controllers
- ▶ 10 x Gbit Ethernet Interfaces, Options for 10Gbit Optical or Copper
- ▶ Dual Quad Core Xeon 64 Bit Processor iSCSI Engine
- ▶ RAID 5 and Ultimate RAID 6 Data Security
- ▶ Hot Standby Disk Drive Support
- ▶ Automatic Rebuild Support and Dynamic RAID Volume Expansion

## Data Capacity

The R8488Si Power iSCSI or NAS RAID storage system supports up to 48 hot swap SAS or SATA II enterprise class disk drives including 500GB, 1TB and 2TB 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 48 x 2TB disk drives fitted, the unit provides a raw capacity of 96TBytes which in the recommended RAID 6 configuration provides ~88TBytes useable capacity less formatting.

## Specification

Hard Drive Interface	48 x 3Gbits / Second S-ATA II or SAS, Hot Swap Carriers External SAS Expansion Port for up to 128 Disks in Optional Expansion Chassis.
Data Interface	10 x 1Gbit Ethernet Interfaces, Expandable to 14 Optional Dual 10Gbit Copper or MM Optical Ethernet Interfaces Compliant with all Standard iSCSI Initiators Including Windows, Linux, Novel VMWare, and Sun Solaris.
RAID Engine	Dual Ultra High Performance 64 Bit H/W RAID Controllers Capable of >2GBytes/Second Sustained Read / Write Fully Configured Up to 220,000 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 With 8GB RAM NAS Fully Compatible with Windows Active Directory Embedded Windows Storage Server and iSCSI Target
Cooling	Eight Integrated Hot Swap Redundant Fan Modules 80 x 80mm each Fan. Air Flow Front to Rear
System Monitor	Alarming on Fan Speeds and Temperature Disk and RAID Fault Monitoring and Remote Alerting
Power Supply	1500W Redundant Load Sharing (3+1) AC Power Supply Four Power Cords Auto-ranging 96 to 264 Volts AC +/-10%, 47Hz to 63Hz Power Consumption ~950W ~3200BTU/Hour typical on load
Environmental	Operating +10 to +35 deg C Recommended +18 to +22 deg C Storage 0 to +55 deg C Humidity 10 to 85% Non-condensing
Physical	Weight ~50Kg (excluding hard drives) 8U 19" rack, 446mm Wide x 356mm High x 736mm 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

