

# R2088Si Power NAS / iSCSI



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



## *High Performance NAS or iSCSI 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:** Capable of up to 1 GByte 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 2U Rack Mount chassis with 8 Hot Swap SAS/SATA Disk Drive Bays
- ▶ Redundant Hot Swap Power Supply and Cooling Fans
- ▶ High Performance Hardware RAID Engine
- ▶ Six Gbit Ethernet LAN Interfaces
- ▶ Quad Core NAS / iSCSI Engine
- ▶ RAID 5 and RAID 6 Data Security
- ▶ Hot Standby Disk Drive Support
- ▶ Automatic Rebuild and Dynamic RAID Volume Expansion

## Data Capacity

The R2088Si iSCSI and NAS RAID storage system supports up to 8 hot swap SAS or S-ATA II disk drives including 146GB, 300GB and 450GB SAS models and 500GB, 1TB and 2TB SATA 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 8 x 450GB high performance SAS disk drives fitted, the unit provides a raw capacity of 3.6TBytes which in the recommended RAID 6 configuration provides approximately 2.7TBytes useable capacity less formatting.

## Specification

<b>Hard Drive Interface</b>	8 x 3GBits/Second SAS / S-ATA II Channels, Hot Swap Carriers
<b>Data Interface</b>	Six Gbit Ethernet (copper) RJ45 as Standard (Expandable) Supports all standard iSCSI initiators including Microsoft Windows, Linux, UNIX, Novell Netware 6.5, Apple OS X and VMware
<b>RAID Engine</b>	Ultra High Performance 8 Channel 64 Bit H/W RAID Controller RAID level 0, 1, 3, 5, 6, 30, 50, 60 or JBOD MAID, Disk Roaming, Dynamic Expansion, Hot Spare and Auto Rebuild Up to 1GBytes/Second Sustained Read / Write (SAS disks) Up to 50,000 I/O per Second Performance
<b>iSCSI/ NAS Engine</b>	64 Bit Quad Core Xeon Processor With 4GB RAM NAS Fully Compatible with Windows Active Directory Embedded Windows Storage Server and iSCSI Target
<b>Cooling</b>	Four x 80mm Integrated Replaceable Redundant Fan Modules Front Mounted (Blowers). Air Flow Front to Rear
<b>System Monitor</b>	Alarming on Fan Speeds and Temperature Disk and RAID Fault Monitoring and Remote Alerting Remote RAID Management GUI over Ethernet
<b>Power Supply</b>	Dual Redundant Load Sharing AC Power Supply with Dual Power Cords Auto-ranging 100 to 240 Volts AC +/-10%, 47Hz to 63Hz Power Consumption 350W typical
<b>Environmental</b>	Operating +10 to +35 deg C Recommended 18 to 22 deg C Storage 0 to +60 deg C Humidity 10 to 85% Non-condensing
<b>Physical</b>	Weight 16Kg (excluding hard drives) 2U 19" rack, 483mm Wide x 88mm High x 674mm Deep
<b>CE Compliance</b>	Conforms with EEC Directives on EMC & Safety Designed to Meet UL and FCC Requirements

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Specifications subject to change without notice

