

R8482i iSCSI / NAS Storage

- ▶ Cost Effective iSCSI and NAS Storage
- ▶ Massive 96TB+ Raw Storage Capacity
- ▶ 64 Bit Hardware RAID Engines
- ▶ Enterprise Class Disk Technology
- ▶ Three Gbit Ethernet Interfaces (expandable)
- ▶ Windows Storage Server iSCSI and NAS
- ▶ RAID 6 Support For Ultimate Data Security



High Capacity, iSCSI and NAS Storage

- ▶ **Scaleable Storage** – Provision storage capacity to multiple servers from one or more NAS / iSCSI storage systems. Add multiple storage systems to expand storage capacity, simply and easily.
- ▶ **Simple Connectivity** – Use standard Gbit Ethernet to connect to your servers. Up to 512 servers can be provisioned with storage capacity from a single iSCSI storage system via suitable Gbit Ethernet switches or simply connect to your LAN when used as a NAS shareable file store system.
- ▶ **Based on Windows Storage Server:** All the benefits of Microsoft's developments in Storage Server, ensuring close integration with your Windows (and many other*) Server Network and Easy to Use Familiar API's. (*Including Windows, UNIX, Novell and Macintosh platforms through its broad base support for other networking protocols available as options). Ideal for use in mixed and native mode Active Directory environments.
- ▶ **Feature Rich** – With all the features of embedded Windows 2003 Storage Server and Microsoft's iSCSI Target system load you can be sure of perfect integration with your Windows domain and active directory environment. With simple familiar Windows GUIs the system is easy to configure and manage
- ▶ **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.
- ▶ **Cost Effective** : No user licenses fees, low cost of ownership, and backed by Westeks excellent optional on-site support services.

Hardware Features

- ▶ High Density Rugged 8U Rack Mount Chassis
- ▶ 48 Front Mounted Hot Swap Drive Bays
- ▶ 1500W Multi Module Redundant Hot Swap Power Supply
- ▶ Redundant Hot Swap Cooling Fans
- ▶ Dual High Performance 64 Bit Hardware RAID Controllers
- ▶ Three Gbit Ethernet Interfaces As Standard
- ▶ Multi-Core 64 Bit Processor NAS / iSCSI Engine
- ▶ RAID 5 and Ultimate RAID 6 Data Security
- ▶ Hot Standby Disk Drive Support
- ▶ Automatic Rebuild Support and Dynamic RAID Expansion

Data Capacity

The R8482i iSCSI / NAS RAID storage system supports up to 48 hot swap SAS or SATA II enterprise class disk drives including 500GB, 1TB and 2TB 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 SAS / SATA II Hot Swap Carriers
Data Interface	Three Gbit Ethernet Interfaces (copper RJ45) Compliant with all Standard iSCSI Initiators Including Windows, Linux, Novel VMware, and Sun Solaris. Windows Storage Server based NAS
RAID Engine	Dual High Performance 64 Bit H/W RAID Controllers with SAS Expansion. 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	Multi-Core CPU with 2GB DDR2 Memory Wire-Speed Performance on Gigabit Interfaces
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 875W typical
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 ~38Kg (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

