



RELDATA

Unified Storage Solution

9240i with RELvos™ 2.4

Storage capacity requirements continue to surge, fueled by organizations' core application service level demands for increased performance, continuous high availability, and meeting regulatory compliance requirements for data retention. With unprecedented growth in server deployment and the adoption of cloud computing architectures to power Internet-based applications, RELDATA is meeting the rising demand for infinitely scalable and highly available storage solutions.

Today, organizations are looking for a better way to see, consolidate and manage the availability of both block and file application data over lower cost IP infrastructures.

RELDATA is responding to this market convergence and technology shift with a next generation unified storage solution – the newly released 9240i, deployed on an industry standard storage platform and powered by the RELDATA virtualization operating system (RELvos). This highly integrated solution allows for the rapid deployment of valuable operational services for networked storage architectures.

- ▶ **High Speed Virtualized iSCSI SAN Storage System**
- ▶ **Scalable Enterprise NAS**
- ▶ **High Performance 10 GbE**
- ▶ **High-availability Clustering and Failover**
- ▶ **Infinitely Scalable SAS Storage**
- ▶ **Simple, Easy-to-Use Storage On-Demand**
- ▶ **Simplified Management of Dynamically Changing Environments**
- ▶ **Quick and Easy Set-up with Adaptive Storage Wizard**
- ▶ **Open FC, SAS, SCSI and iSCSI Storage Connectivity**

- **Rapid Deployment:** In less than an hour, organizations are able to architect single shared storage pools for on-demand, IP SAN, NAS and multi-vendor storage platforms that can scale seamlessly.
- **High Speed Replication 1/10 GbE:** The full featured solution delivers high speed (10 GbE) non-disruptive, incremental data mirroring and replication services which significantly increase the data availability and recovery time ratios for mid-tier storage environments.
- **Unified Storage:** The RELDATA unified solution can consolidate block and multi-vendor storage through a single automated control and management interface.

The combination of these valuable services in a unified storage solution provides a powerful alternative to single vendor and complex fibre channel solutions. The 9240i allows medium to large organizations to rapidly deploy unified and highly available storage that is not only feature rich, but also provides a complete scalable solution without the constraints of capacity-based pricing.

Best-in-Class SAN, NAS and WAN Replication Services On-Demand

The RELDATA 9240i/RELvos unified storage solution delivers integrated iSCSI SAN, NAS and WAN replication functions on a single virtualized platform for best-in-class performance. The system delivers enterprise-class functionality, yet is easy to implement, operate and manage. Customers can independently scale disk storage capacity, SAN/NAS/WAN replication storage services, and network performance without application disruption. This “pay-as-you-grow” design eliminates the need for forklift upgrades – and the downtime they cause – and liberates customers from vendor lock-in and the associated predatory pricing for additional disk capacity.

The 9240i includes an industry standard high performance storage controller, RELvos virtualization operating system and integrated Serial Attached SCSI (SAS) disk storage. Capacity can be expanded by adding RELDATA disk arrays or pooling existing resources. The 9240i is available for 1 GbE and/or 10 GbE infrastructures. With the 9240i, IT managers are able to set up iSCSI SANs that can scale to multiple petabytes of capacity and support hundreds of servers with performance rivaling FC SANs, giving them plenty of headroom for future storage growth.

An investment in RELDATA's unified storage solutions simplifies deployment and improves availability while reducing the complexity and management costs of your growing storage environment.

SPECIFICATIONS

High Speed iSCSI SAN Storage License

- Powered by the leading-edge 64-bit RELDAPATA Virtualization Operating System RELvos 2
- Near wire-speed I/O processing of iSCSI data
- Certified interoperability with industry's leading iSCSI initiators and host bus adapters (HBAs)
- Provision of seamlessly expandable high-performance iSCSI targets up to 9 Exabytes per LUN
- Boot-over-IP SAN enables diskless servers and workstations
- Optional Non-Disruptive block data migration

Enterprise-Wide Scalable NAS License

- Configure and present highly scalable CIFS and NFS shares up to 9 Exabytes per share
- Seamless resizing of mounted, on-line file systems
- Quota management for user groups and individual users
- Integrated with Microsoft Active Directory, Microsoft DFS and NIS/Yellow Pages
- Support for Microsoft Windows and Unix (Posix) ACLs
- Simultaneous cross-protocol access and file locking by Windows, Linux or Unix clients
- File-based replication of NAS content
- Optional share-level data migration

Data Replication License for Local & WAN

- Writable point-in-time snapshots of volumes
- Rapid recovery by mounting snapshots as iSCSI targets or file systems
- Block level incremental asynchronous replication over the WAN
- Block level synchronous replication (remote volume mirroring) over fast LAN links
- Block level rollback to any snapshot
- Remote Mirroring

High Availability Storage

- Raid appliance replacement with configuration data on USB thumb drive
- Fully redundant and hot-swappable power supplies
- SNMP/SNMP failure notification services
- Local Mirroring
- Active/active failover clustering with storage multipathing

Simplified Management Model

- Powerful intelligent Adaptive Storage Wizards for rapid set up, Virtual Volumes, SAN, NAS, WAN Replication configuration
- Easy-to-use, intuitive GUI provides centralized control of all RELDAPATA services
- Front panel TFT screen with a micro GUI enables rapid set-up
- Online firmware update service
- Easy-to-use wizards and customizable RELbot task automation

Multiple I/O Interfaces

- 6 x 1 GbE ports (auto-negotiating), 802.3ad support for bandwidth aggregation (LACP-enabled)
- 3 available PCI-e slots to add for any combination of the following:
 - Optional dual port 10G Ethernet interface
 - Optional dual port 4Gb Fibre Channel interface
 - Optional dual port 4 x 3Gb/s SAS interface

Mixed Drives within Each Enclosure

- Drive Options SAS: 15k - 147/300/450 GB; 10k - 400GB; 7.2k - 1000GB
SATA: All current 3GB/s SATA drives
- RAID Controller Dual 4 x 3GB/s SAS
- Hardware RAID Levels Supported 0, 1, 10, 5, 50, 6
- NVRAM Cache 512MB
- Expandability Up to 9 additional 12-unit shelves with mix of SAS drives.*

Open Storage Consolidation

- Proven and certified connectivity and interoperability with industry leading FC, SCSI and iSCSI connected storage devices, including FC switches, disk arrays, and tape libraries
- Software RAID 1, 4, 5, and 6 with striping of LUNs and Volumes for RAID 0, 10, 50, 60
- Storage consolidation achieved by virtualizing storage into seamless volume pool

Standards & Regulations

- Safety and Compatibility UL 60950
- FCC Class A
- WEEE and RoHS Compliant
- CE
- TUV

Extensive Support

- Comprehensive Care: 24/7 phone support, hardware replacement shipped same day
- Comprehensive Care Plus: 24/7 phone support, 4 hour on-site labor & parts (depending on location)
- Warranty Periods: 1, 3, 4, or 5 year

* Some configurations may require second RAID HBAs.

RELDAPATA
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Contact us at sales@reldata.com or visit our website to learn how we can unify your SAN and NAS storage infrastructure while never sacrificing performance or availability.

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