

# RELDATA 9240i

## Unified NAS Storage System

### Simplified NAS Storage Systems

For the same initial cost from other enterprise NAS vendors, RELDATA delivers significantly more raw performance, more functionality, higher availability, no vendor lock-in for disk storage, and lower on-going cost of ownership. A RELDATA storage system supports Windows, Linux and Unix environments and is easy to install, set up and manage.

### Think outside the Box: Make your new NAS investment into a flexible storage infrastructure for the entire enterprise

Purchase a RELDATA next generation iSCSI storage system:

- Best-in-class price/performance
- Mid-tier storage pricing with Enterprise functionality
- Reliable, high duty cycle SAS Storage
  - High performance and high capacity drives
- Storage system investment protection
  - Redeploy and add legacy third party disk with RELDATA heterogeneous virtualization
  - No vendor storage lock-in
- Software licensing per 9240i instead of onerous licensing based on capacity
- High performance networking
  - Six 1GbE ports (expandable up to 16 ports)
  - Or optionally up to 8 10GbE ports for even higher performance
- Integrated local and WAN Data Replication
- Optional integrated iSCSI
- Clustered storage systems
  - Linearly scalable capacity from Gigabytes to Petabytes
  - Linearly scalable performance in IOPS and throughput

### Go beyond simple installation: Increase application availability and IT productivity with RELDATA Simplified Management

Ease of Use and Single Pane of Glass management:

- Single User interface for all RELDATA services
- Single Pane of Glass: Everything you need is on one screen
- Adaptive Storage Wizards™ guide you through daily complex storage tasks
- RELbots™ automate repetitive storage tasks that are unique to your environment
- Data migration allows you to move data with minimal application impact

**Invest in RELDATA and Dramatically Simplify Your Storage Operations!**

**RELDATA**  
REAL UNIFIED STORAGE



## TESTED PERFORMANCE

IOPS – 108,000+ per 9240i

Throughput – 705MB/s per 9240i

- Next Generation NAS
- Local & WAN Data Replication
- Use 6 x 1GbE or optionally up to 8 X 10GbE network
- Quick and Easy Set-up with Adaptive Storage Wizard
- Effortless Administration
- Heterogeneous Storage Virtualization
- High-Availability Clustering and Failover
- Mix high performance, high capacity SAS drives
- Best Price/Performance; more IOPS and more MB/sec per dollar
- Lowest on-going cost for storage growth
- Additional Software Available
  - Simplified iSCSI Storage System
  - Non-disruptive block data migration
  - Share-level data migration

# RELDATA 9240i Specifications with highlights from RELvos 2.4 Datasheet

<b>Enterprise-Wide Scalable NAS</b>	<ul style="list-style-type: none"> <li>• Configure and present highly scalable CIFS and NFS shares up to 9 Exabytes per share</li> <li>• Seamless resizing of mounted, on-line file systems</li> <li>• Quota management for user groups and individual users</li> <li>• Integrated with Microsoft® Active Directory, Microsoft® DFS and NIS/Yellow Pages</li> <li>• Support for Microsoft® Windows® and Unix (Posix) ACLs</li> <li>• Simultaneous cross-protocol access and file locking by Windows®, Linux or Unix clients</li> <li>• File-based replication of NAS content</li> <li>• Optional share-level data migration</li> </ul>										
<b>Simplified Management Model</b>	<ul style="list-style-type: none"> <li>• Powerful intelligent Adaptive Storage Wizards for rapid set up, Virtual Volumes, SAN, NAS, WAN Replication configuration</li> <li>• Easy-to-use, intuitive GUI provides centralized control of all RELDATA services</li> <li>• Front panel TFT screen with a micro GUI enables rapid set-up</li> <li>• Online firmware update service</li> <li>• Optional customizable RELbot task automation</li> </ul>										
<b>Data Replication Local &amp; WAN</b>	<ul style="list-style-type: none"> <li>• Writable point-in-time snapshots of volumes</li> <li>• Rapid recovery by mounting snapshots as iSCSI targets or file systems</li> <li>• Block level incremental asynchronous replication over the WAN</li> <li>• Block level synchronous replication (remote volume mirroring) over fast LAN links</li> <li>• Block level rollback to any snapshot</li> <li>• Remote Mirroring</li> </ul>										
<b>Optional High Speed iSCSI SAN Storage</b>	<ul style="list-style-type: none"> <li>• Powered by the leading-edge 64 bit RELDATA Virtualization Operating System RELvos 2</li> <li>• Near wire-speed I/O processing of iSCSI data</li> <li>• Certified interoperability with industry's leading iSCSI initiators and host bus adapters (HBAs)</li> <li>• Provision of seamlessly expandable high-performance iSCSI targets up to 9 Exabytes per LUN</li> <li>• Boot-over-IP SAN enables diskless servers and workstations</li> <li>• Optional Non-Disruptive block data migration</li> </ul>										
<b>Optional High Availability iSCSI Storage</b>	<ul style="list-style-type: none"> <li>• Rapid appliance replacement with configuration data on USB thumb drive</li> <li>• Fully redundant and hot-swappable power supplies</li> <li>• SNMP/SMTP failure notification services</li> <li>• Local Mirroring</li> <li>• Active/active failover clustering with storage multipathing</li> </ul>										
<b>Multiple IO Interfaces</b>	<ul style="list-style-type: none"> <li>• 6 x 1 GbE ports (auto-negotiating), 802.3ad support for bandwidth aggregation (LACP-enabled)</li> <li>• Up to 4 available ports to add for any combination of the following:             <ul style="list-style-type: none"> <li>- Optional dual port 10G Ethernet interface</li> <li>- Optional dual port 4Gb Fibre Channel interface</li> <li>- Optional dual port 4x3Gb/s SAS interface</li> </ul> </li> </ul>										
<b>Mixed SAS Storage Within Each Enclosure</b>	<table border="0"> <tr> <td>• Drive Options:</td> <td>SAS: 15k – 147/300/450 GB; 10k – 400GB; 7.2k – 1000GB</td> </tr> <tr> <td>• RAID Controller</td> <td>Dual 4 x 3Gb/s SAS</td> </tr> <tr> <td>• Hardware RAID Levels Supported</td> <td>0, 1, 10, 5, 50, 6</td> </tr> <tr> <td>• NVRAM Cache</td> <td>512MB</td> </tr> <tr> <td>• Expandability</td> <td>Up to 9 additional 12-unit shelves with mix of SAS drives</td> </tr> </table>	• Drive Options:	SAS: 15k – 147/300/450 GB; 10k – 400GB; 7.2k – 1000GB	• 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
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<b>Open Storage Consolidation</b>	<ul style="list-style-type: none"> <li>• Proven and certified connectivity and interoperability with industry's leading FC, SCSI and iSCSI connected storage devices, including FC switches, disk arrays, and tape libraries</li> <li>• Software RAID 1, 4, 5 and 6 with striping of LUNs and Volumes for RAID 0, 10, 50, 60</li> <li>• Storage consolidation achieved by virtualizing storage</li> </ul>										
<b>Standards &amp; Regulations</b>	<table border="0"> <tr> <td>• Safety and Compatibility</td> <td>UL 60950</td> </tr> <tr> <td>•</td> <td>FCC Class A</td> </tr> <tr> <td>• WEEE and RoHS Compliant</td> <td></td> </tr> <tr> <td>• CE</td> <td></td> </tr> <tr> <td>• TUV</td> <td></td> </tr> </table>	• Safety and Compatibility	UL 60950	•	FCC Class A	• WEEE and RoHS Compliant		• CE		• TUV	
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