

# RELDATA 9240i

## Unified iSCSI Storage System

### The Next Generation of iSCSI Storage Systems

For the same initial cost from other iSCSI vendors, RELDATA delivers higher application availability, more functionality, no vendor lock-in for disk storage, more useable disk capacity, more raw performance and lower on-going cost of ownership. A RELDATA storage system is easy to install and set up, supports a broad array of operating systems, applications, and industries.

### Think outside the Box: Make your new iSCSI 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 NAS (NFS and CIFS)
- 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
- Non-disruptive data migration allows you to move data without application impact

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

**RELDATA**  
REAL UNIFIED STORAGE



## TESTED PERFORMANCE

IOPS – 70,000+ per 9240i  
Throughput – 820MB/s per 9240i

- Simplified iSCSI Storage System
- iSCSI 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
  - Non-disruptive block data migration
  - Enterprise NAS services
  - File data migration

# RELDATA 9240i Specifications with highlights from RELvos 2.4 Datasheet

<b>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>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/SNMP failure notification services</li> <li>Local Mirroring</li> <li>Active/active failover clustering with storage multipathing</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 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>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>	<ul style="list-style-type: none"> <li>Safety and Compatibility      UL 60950</li> <li>FCC Class A</li> <li>WEEE and RoHS Compliant</li> <li>CE</li> <li>TUV</li> </ul>										
<b>Extensive Support</b>	<table border="0"> <tr> <td>Comprehensive Care:</td> <td>7x24 phone support, hardware replacement shipped same day</td> </tr> <tr> <td>Comprehensive Care Plus:</td> <td>7x24 phone support, 4 hour onsite labor &amp; parts (depending on location)</td> </tr> <tr> <td>Warranty Periods:</td> <td>1, 3, 4 or 5 year</td> </tr> </table>	Comprehensive Care:	7x24 phone support, hardware replacement shipped same day	Comprehensive Care Plus:	7x24 phone support, 4 hour onsite labor & parts (depending on location)	Warranty Periods:	1, 3, 4 or 5 year				
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