RELDATA Storage Gateway 9240

RELDATA
REAL UNIFIED STORAGE
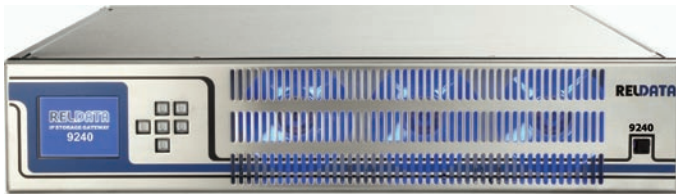
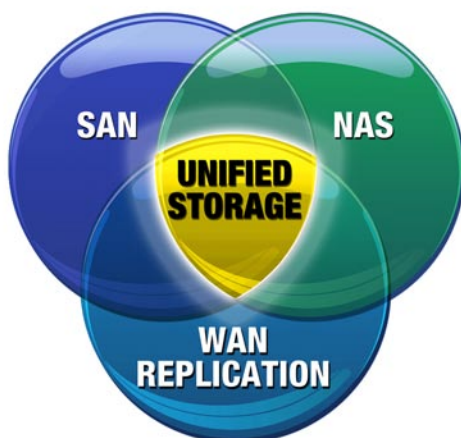## Unified Storage Appliance Reduces Storage Costs

Organizations face tremendous challenges to successfully manage growth of data, efficiently utilize storage capacity and ensure protection and availability of data assets. The RELDATA 9240 Unified Storage Gateway is the foundation for open enterprise-class IP SAN, NAS and WAN data replication solutions – all in a single appliance. By leveraging industry-standard Fibre Channel, SCSI or iSCSI storage arrays, 9240-enabled IP storage systems approach the performance and throughput of more expensive Fibre Channel or enterprise NAS solutions. Its modular architecture lets organizations easily expand block and file-based storage capacity to meet demand, seamlessly consolidate underused storage assets, and ensure availability of data.

RELDATA's SAN-level virtualization platform offers truly parallel, high-speed IP SAN and NAS storage solutions with built-in, comprehensive WAN replication including highly reliable, space-efficient, SAN-level snapshots. Our 9240 Gateway provisions block data or file storage services based on need, not on capacity of a dedicated frame. Plus, it offers virtualization of Fibre Channel LUNs for low-cost IP SAN fan-out of existing Fibre Channel SAN installations. Our embedded firmware module features SAN-level remote mirroring, incremental volume replication, and file-based replication for complete disaster protection.

Simplicity & Flexibility Ease Deployment, Expansion, Protection

Enterprises realize cost and operational benefits from RELDATA-powered unified storage solutions. Open connectivity lets storage managers redeploy existing storage investments and avoid vendor lock-in. Freedom to create blisteringly fast IP SANs and scalable enterprise NAS shares on the fly will free storage managers from purchasing, installing, and administrating two distinct systems, make storage more nimble, and align it with business needs. In addition, storage professionals can deploy a cost-effective one-to-many enterprise-class disaster recovery solution providing flexible recovery point and time objectives.

The RELDATA 9240 offers an unrivalled price/performance ratio because of its top quality hardware, high availability features and all-inclusive software functionality. It paves the way for cost effective, enterprise-wide unified IP storage and disaster recovery solutions. And it provides exceptionally high value for organizations with the following IT challenges:

Cost saving benefits of RELDATA 9240 storage & replication solutions:

- Significantly reduce capital expenditures and minimize deployment costs for storage networks.

- Highly efficient block-level virtualization and replication on cost-effective industry standard storage

- Dramatic reduction of future storage costs via higher capacity utilization and deployment of inexpensive disk arrays.

- Drastic decrease in storage administration expense via centralized storage management

- Boot-over-IP eliminates need for directly attached storage disks on servers and workstations

- Radically reduces planned downtime with on-the-fly storage system expansion and rapid recovery services

- Dramatic reduction of opportunity cost through:
  - Increased availability and consistency of data in departmental and multi-site Ethernet environments
  - Fast recovery of lost data

⇨ Fast-growing, mixed file and block storage volumes;

⇨ Enterprise-wide file sharing based on open storage clustering;

⇨ Consolidation of a distributed storage infrastructure;

⇨ Datacenter disaster recovery needs;

⇨ Data protection and availability policies covering multiple locations;

⇨ Transaction protection with narrow data recovery point and time objectives;

⇨ Leveraging existing under-utilized Fibre Channel SAN resources.

Product Highlights

High Performance Modular IP SAN	• Provision of seamlessly expandable high-performance iSCSI targets • Near wire-speed I/O processing of iSCSI data • Certified interoperability with industry's leading iSCSI initiators and host bus adapters (HBAs) • Boot-over-IP SAN enables diskless servers and workstations
Scalable Enterprise NAS Solution	• Configure and present highly scalable SMB/CIFS and NFS file systems • 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® ACLs • Simultaneous cross-protocol access and file locking by Windows®, Linux or Unix clients
Superior WAN Replication & Data Protection	• Unlimited Read/Write and Read/Only point-in-time snapshots of volumes and volume groups • Rapid recovery by mounting snapshots as iSCSI targets or file systems • One-to-many block-level volume replication and volume mirroring over iSCSI • Block level incremental replication provides efficient data protection • Block level rollback to any snapshot • File-based replication for NAS content • Serverless disk-to-tape backup of virtual volumes • IPsec encryption & CHAP authentication
High Availability of Storage Volumes and Data	• Active/active failover clustering and Fibre Channel port failover • Rapid appliance deployment or replacement via firmware update using USB drive • Fully redundant power supply and no internal disk storage • SNMP/SMTP notification services for hardware & software failures
Simple Management & Set-Up	• "Plug & Play" appliance-like set up delivers functioning IP SAN in minutes • Easy-to-use web GUI provides centralized control over volumes, shares, disks and users • Front panel TFT screen with an intuitive micro GUI simplifies set-up and monitoring • Online firmware update service
High Performance I/O Processing	• Standard dual 3 GHz CPUs • Support for IEEE 802.3ad Link Aggregation over 4 GbE ports • Virtual volume striping across multiple disk arrays • High efficiency RAM-based firmware
Open Integration & Consolidation of Disk Array and Tape Storage	• 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 • Software RAID 1, 4, 5 and 6 allows commodity JBODs to replace expensive disk arrays • Storage consolidation achieved by vitualizing storage into seamless volume pool • iSNS support provides intelligent iSCSI storage discovery and management services

Technical Specifications

Ports	• Ethernet/iSCSI: 6 x 1 GbE ports (auto-negotiating) • SCSI: 2 SCSI Ultra 320 LVD ports • Fibre Channel: 2 FC ports 4 Gbps (auto-negotiating) • Optional 8 port 3G SAS RAID interface • Optional 10G Ethernet target
CPU	• Dual 3GHz Xeon CPUs with hyper-threading technology
Software	• Firmware stored on a built-in, protected flash card
Management Interfaces	• Front panel: 2.5 '' TFT color screen with a micro GUI • Browser-based Java Storage Management GUI, ssh, SNMP v2c
Dimensions	• 3½" (2U) H; 17" W; 17½" D (8.7 cm H; 43 cm W; 43.5 cm D); 19'' rack mountable
Power	• Fully redundant, hot swappable power supply, 100 to 240VAC, 47-63Hz, 600 W
Weight	• 34.3 lbs (15.6 kg)
Thermal Rating	• 700 BTU/hr
Temperature	• 32º F to 104º F, 0°C to 40°C, relative humidity 20% to 90%, non-condensing
Compliance	• CE Mark (EN60950-1), FCC Part 15, Class B (EN55022 ; EN55024) • UL60950-1, CAN/CSA-C22.2 No. 60950-1-03
Warranty	• Standard 3 year hardware warranty RTF

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