

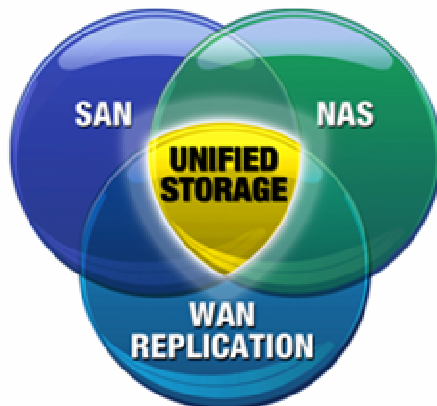
Unified Storage Gateway Reduces Storage Costs

Organizations face tremendous challenges to successfully manage soaring data growth, efficiently utilize storage capacity, while ensuring data protection and availability. The RELDATA 9240 Unified Storage Gateway, powered by the RELvos™ virtualization platform, is the foundation for open enterprise-class IP SAN, NAS and global 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 provide the performance and throughput of more expensive Fibre Channel or enterprise NAS solutions at a much lower cost. 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.

The RELDATA 9240 Unified Storage Gateway, powered by RELvos™, offers concurrent, high-speed IP SAN and NAS storage access with built-in, comprehensive global WAN replication including highly reliable, space-efficient, SAN-level incremental read write snapshots. The 9240 Gateway provisions block data or file storage services based on application need, not on the capacity of a dedicated storage frame. Plus, it offers virtualization of Fibre Channel LUNs for low-cost IP SAN fan-out of existing Fibre Channel SAN installations. The WAN replication module features enterprise-level remote mirroring, incremental replication using unlimited snapshots, and file replication over native TCP/IP Ethernet networks for complete disaster protection.

Simplicity & Flexibility Ease Deployment, Expansion, Protection

Enterprises realize tremendous 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 frees storage managers from purchasing, installing, and administering two distinct systems, makes storage more nimble and aligns it with business needs. The 9240 is deployable in a cost-effective one-to-many enterprise-class disaster recovery solution providing flexible recovery point (RPO) and recovery time (RTO) objectives.



Total Cost of Ownership Benefits of 9240 Storage Solutions:

- Unified IP SAN and NAS storage reduces complexity costs of heterogeneous storage infrastructures
- Significantly reduce capital expenditures by redeploying current arrays and utilizing heterogeneous inexpensive storage arrays
- Enterprise-class IOPS & throughput for file and application storage at entry level prices
- Higher capacity utilization reduces storage extension requirements and costs.
- Enterprise-class NAS and IP SAN virtualization leverages underutilized FC SAN infrastructures
- One touch centralized storage management reduces storage administration
- Boot-over-IP eliminates need for direct attached storage disks
- Remote data replication over WAN and very fast data recovery reduces opportunity costs and ensures business continuity



Appliance Highlights

Unified Storage Powered by RELvos™ Virtualization Firmware	<ul style="list-style-type: none"> • Vendor agnostic storage consolidation achieved by virtualizing storage into a seamless SAN-level volume pool • Software RAID-1, -4, -5 and -6 allows commodity JBODs to replace expensive disk arrays • Virtual volume striping across multiple disk arrays • Provisioning of seamlessly expandable high-performance iSCSI SAN targets • Configure and share highly scalable NAS file systems • Unlimited writable and read-only point-in-time snapshots of volumes and volume groups • Comprehensive WAN data replication and mirroring over iSCSI including IPsec encryption • Easy-to-use web GUI provides centralized control over volumes, shares, disks and users
High Availability of Storage Volumes and Data	<ul style="list-style-type: none"> • Active/active failover clustering and Fibre Channel port failover • Support for iSCSI MPIO • Rapid appliance replacement via configuration transfer using USB stick • Fully redundant power supply and no internal disk storage • SNMP/SMTP notification services for hardware & software failures
Simple Management & Set-Up	<ul style="list-style-type: none"> • “Plug & Deploy” appliance-like set up delivers functioning IP SAN and NAS in minutes • Front panel TFT screen with an intuitive micro GUI simplifies set-up and monitoring • Online firmware update service
High Performance I/O Processing	<ul style="list-style-type: none"> • Standard dual 3 GHz CPUs, 6x1 GbE ports, 2 x 4Gb FC ports and 2 Ultra SCSI ports • Support for IEEE 802.3ad Link Aggregation over 4 GbE ports • High efficiency RAM-based firmware

Technical Specifications

Ports	<ul style="list-style-type: none"> • 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)
CPU	<ul style="list-style-type: none"> • Dual 3GHz Xeon CPUs with hyper-threading technology
Software	<ul style="list-style-type: none"> • RELvos virtualization firmware stored on a built-in, protected flash card
Management Interfaces	<ul style="list-style-type: none"> • Front panel: 2.5" TFT color screen with a micro GUI • Browser-based Java Storage Management GUI, ssh, SNMP v2c
Dimensions	<ul style="list-style-type: none"> • 3½" (2U) H; 17" W; 17½" D (8.7 cm H; 43 cm W; 43.5 cm D); 19" rack mountable
Power	<ul style="list-style-type: none"> • Fully redundant, hot swappable power supply, 100 to 240VAC, 47-63Hz, 600 W
Weight	<ul style="list-style-type: none"> • 34.3 lbs (15.6 kg)
Thermal Rating	<ul style="list-style-type: none"> • 700 BTU/hr
Temperature	<ul style="list-style-type: none"> • 32° F to 104° F, 0°C to 40°C, relative humidity 20 % to 90%, non-condensing
Compliance	<ul style="list-style-type: none"> • CE Mark (EN60950-1), FCC Part 15, Class B (EN55022 ; EN55024) • UL60950-1, CAN/CSA-C22.2 No. 60950-1-03
Warranty	<ul style="list-style-type: none"> • Standard 3 year hardware warranty RTF

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