



Unified Storage
3GEN V9000/V9000 Pro Storage



Storage Consolidation that can simultaneously meet your diverse needs – SAN and NAS, primary and secondary storage.

A unified storage platform supporting simultaneous block and file services for business and technical applications.

3Gen Local and Network RAID with the most powerful RAID Engine on earth!

Dual Intel Xeon CPUs with speedy DPP RAID rebuild up to 5TB per hour

Upgradeable to 24 – latest FC and high speed Ethernet ports

Standard with 2 independent Gb Ethernet ports

Performance for the most demanding applications

Outstanding file-based and transaction based performance with high bandwidth, 64-bit architecture, and the latest I/O technologies.

Storage Gateway option supports up to 1000 Storage nodes

Buy what you need today and grow when you need it in the future

Multi-Node support for maximum performance and failover protection

Unlimited scalability on computing power and storage capacity

Speedy Natural Disaster Recovery via Global Clustering and Remote Volume Mirroring

Mirror critical data to local and remote locations via FC and iSCSI

Value-added applications available for cloud computing, productivity and data availability

Dynamic thin provisioning, block level data de-duplication, real time Volume based encryption, WORM (Write Once Read Many), performance enhancing SSD and N+1 clustering to protect sensitive and mission critical data



High Value with unbeatable ROI

Today's business environment demands innovation and increasing flawless execution in all environments including virtualized computing. With 3Gen V9000 and V9000Pro series Unified Storage storage, you have an ultimate all-in-one storage solution for handling block based storage, file serving, server consolidation, backup and restoration strategies, replication solutions, regulatory compliance data retention and the integration of NAS and SAN investments. Packed with enterprise features and protected with a 3 year warranty, 3Gen V9000 and V9000Pro series delivers unsurpassed value with a price that is lower than all other storage solutions on the market.

High Availability and Advanced Data Protection

All systems include hot swap technology and block level volume cloning software for maximum data protection. By connecting with another IntelliNAS remotely via Gb Ethernet ports, backup and restore can be accomplished via our automated file based asynchronous remote mirroring and synchronous / asynchronous block based volume mirroring. V9000 and V9000Pro incorporates SnapBack technology to reduce backup time to minutes; SnapQuick to enable recovery of point-in-time data in minutes. Furthermore, a full suite of optional enterprise software such as Global multi-node clustering (active-active and active-passive), WORM, real time volume encryption, dynamic thin provisioning and block based data de-duplication with projected 70% capacity saving.

High Usability

3Gen V9000Pro series can be installed in just 15 minutes with plug-and-play network connectivity and intuitive installation tools. The web based management software allows users to manage their storage systems via web browsers from any place in the world. Thin provisioning helps you to eliminate stranded storage. Preserving investment in staff expertise and capital equipment is easy because IntelliNAS V9000Pro series are based on industrial proven 3GenOS Operating System and management tools. While 3Gen's products are always on the cutting-edge, our customers can rest assured that easy-to-use stays on top of 3Gen's design philosophy. 3Gen is committed to bringing advanced Information Life Cycle Management features to all enterprises


Storage Sharing and Access Control

With versatile 3Gen V9000 and V9000 Pro series systems, you can use high performance NVMe, SAS or large capacity SATA disk drives for optimal performance – cost ratio. On the same system, you can seamlessly consolidate block and file storage. 3Gen V9000 and V9000Pro series makes this possible by providing native support of the iSCSI, FC, NFS and CIFS storage protocols.



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3Gen V9000/V9000Pro Series Storage



Data specifications	
	V9040/ V9040Pro , V9060/V9060Pro, V9080/V9080Pro, V9120Pro, V9160Pro, V9120ProDC (Dual Nodes) and V9240Pro (4 nodes) (2U, 3U and 4U)
Configuration	
Operating System CPU(s) Memory Hard Drive Interface Maximum storage capacity	3GenOS 64bit V9000 Xeon E3-1220v6, V9000Pro Dual Xeon E5-2603 v4 and Xeon Scalable CPU optional 16GB ECC DDR4 Memory (up to 2TB) Serial ATA III , SAS and NVMe 9000TB per node (with 12TB HDD)
Connectivity	
10/100/1000 Ethernet Ports Lastest FC & High Speed Ethernet NIC Teaming with LACP Load Balancing Ethernet Failover Interoperability Interface Support	2 Auto-sensing (Up to 24) Optional (Up to 24 with V9080Pro, V9120Pro and V9160Pro) Yes Yes Yes Windows, Unix, Linux, Novell and MAC iSCSI, FC, CIFS, NFS, HTTP, FTP, SMB, AD, LDAP, NIS, HDFS and S3/Openstack
Data Protection and Reliability	
Hot swap HDD RAID Volume Expansion / Contraction SnapBack / SnapQuick Volume Cloning Redundant Fans and Power Supply UPS and Environmental Support Storage Gateway File based Data De-Duplication Block based Data De-duplication Dyanmic Thin Provisioning Data Mirroring Redundant OS Performance SSD Caching Active / Active Clustering FileLock (WORM NAS) Real Time Volume Encryption	True Hot Swap Local and Network RAID 0, 1, 5, 6, 10, 50, 60 and DPP Yes Yes Yes Yes Yes Optional (up to 1000 storage nodes and HA up to 5 nodes failure) Optional Optional Optional Optional Optional Optional Optional Optional Optional
Management	
Remote Management Active Directory Services Network Discovery Tool	Yes Yes Yes

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