



- ◆ **4U 24 HDD Bays Dual redundant Active-Active Controller**
Redundant and hot swappable hardware controller to achieve high performance and maximum availability
- ◆ **Storage Consolidation that can simultaneously meet your diverse needs – Hyper Convergence, SAN and NAS Storage**
Unified computing platform supporting simultaneous block and file services for business and technical applications.
- ◆ **3Gen RAID with the most powerful RAID Engine on earth!**
Standard Xeon Quad Core E5-2603 with other optional Xeon CPU available
- ◆ **Upgradeable 8Gb/16Gb FC ports and 10Gb/25Gb Ethernet ports**
Standard with 12Gb SAS and dual Gb Ethernet ports
- ◆ **Performance that meet and exceed your applications demand with 12Gb SAS architecture**
Outstanding file-based and transaction based performance with high bandwidth, 64-bit architecture, and the Industrial leading memory and flash caching I/O technologies.
- ◆ **Maximum scalability to meet your diverse business needs – up to 500 HDDs**
"Buy what you need today and grow when you need it in the future"
- ◆ **Speedy Natural Disaster Recovery via Global Clustering and Remote Volume Mirroring**
Ability to mirror critical data to local and remote location via FC and/or 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. V9120Pro-DC is the ultimate all-in-one computing solution for handling Hyper Convergence, 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 years warranty, IntelliNAS V9120ProDC 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 active-active redundant controllers with 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. V9120Pro-DC 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 clustering (active-active and active-passive), WORM, 3Gen Flash Caching, 3Gen Automated Storage Tiering, real time volume encryption, dynamic thin provisioning and File / Block based data de-duplication with projected 70% capacity saving.

High Usability

V9120Pro-DC 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 V9120Pro-DC is on industry proven 3GenNAS 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's V9120Pro-DC systems, you can use high performance SAS or large capacity SATA disk drives for optimal performance – cost ratio. On the same system, you can seamlessly consolidate block and file storage. V9120Pro-DC makes this possible by providing native support of all Hyper Convergence, Server and Storage requirements





Unified Storage
V9120Pro-DC



Configuration (Per controller)

| | |
|----------------------|--|
| Operating System | 3GenOS 64bit |
| CPU(s) | Xeon Quad Core E5-2603 (Other CPU models available upon request) |
| Memory | 16GB ECC DDR4 Memory (Up to 2TB) |
| Hard Drive Interface | Serial ATA III or SAS HDDs – 500 HDDs with optional JBOD |
| Dimension | 482.6mm x 698.5mm x 177.8mm |
| Power | 1200 Watt Output @120-240V |
| PCI Express slots | 2 standard (up to 6 maximum with dual CPU installed) |

Connectivity

| | |
|--------------------------------|---|
| 10/100/1000 Ethernet Ports | 2 Auto-sensing per controller (Up to 24) |
| 8 /16Gb FC, 10Gb/25Gb Ethernet | Optional (Up to 12 ports per controller) |
| NIC Teaming with LACP | Yes |
| Load Balancing | Yes |
| Ethernet Failover | Yes |
| Interoperability | Windows, Unix, Linux, Novell and MAC |
| Interface Support | iSCSI, FC, FCoE, CIFS, NFS, HTTP, FTP, SMB, AD, LDAP, NIS |

Data Protection and Reliability

| | |
|---------------------------------|--------------------------------|
| System Controller | Hot swappable |
| Clustering | Active-Active (included) |
| Hot swap HDD | Yes |
| RAID | RAID 0, 1, 5, 6, 10, 50 and 60 |
| Online Volume Expansion | Yes |
| SnapBack / SnapQuick | Yes |
| Volume Cloning | Yes |
| Redundant Fans/Power Supply | Hot swappable |
| 3Gen Flash Caching | Optional |
| 3Gen Automated Storage Tiering | Optional |
| Block based Data De-duplication | Optional |
| File based Data De-duplication | Optional |
| Dyanmic Thin Provisioning | Optional |
| Data Mirroring | Optional |
| Redundant OS | Optional |
| Performance SSD Caching | Optional |
| FileLock (WORM NAS) | Optional |
| Real Time Volume Encryption | Optional |
| Hyper Convergence (vServer) | Optional |

Management

| | |
|---------------------------|-----|
| Remote Management | Yes |
| Active Directory Services | Yes |
| Network Discovery Tool | Yes |



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