



Unified Storage
IntelliNAS V9090Pro Series Storage



- ◆ **3U 16 HDD Dual redundant Active-Active Controllers**
 Redundant and hot swappable hardware controllers achieve high performance and maximum availability
- ◆ **Storage Consolidation that can simultaneously meet your diverse needs – SAN and NAS, primary and secondary storage.**
 An unified storage platform supporting simultaneous block and file services for business and technical applications.
- ◆ **3Gen RAID with the most powerful RAID Engine on earth!**
 Dual Xeon Quad Core E5506 or 6 Core Xeon 5650
- ◆ **Upgradeable to 8Gb/16Gb FC ports and 10Gb Ethernet ports**
 Standard with 4 independent Gb Ethernet ports
- ◆ **Performance that meet and exceed your applications demand with 6Gb SAS architecture**
 Outstanding file-based and transaction based performance with high bandwidth, 64-bit architecture, and the industry leading memory and flash caching I/O technologies.
- ◆ **Maximum scalability to meet your diverse business needs – up to 250 HDDs**
 Storage platform supports real time field upgrade to 1250 TB
 “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 mirroring 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. With IntelliNAS V9090Pro 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 years warranty, IntelliNAS V9090Pro 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. V9090Pro incorporates SnapBack technology to reduce backup time to minutes; SnapQuick to enable recovery of point-in-time data in minutes. 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

IntelliNAS V9090Pro 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 V9090Pro series are based 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 IntelliNAS V9090Pro series 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. IntelliNAS V9090Pro series makes this possible by providing native support of the iSCSI, FC, FCoE, NFS and CIFS storage protocols.



The next generation of business machines



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IntelliNAS V9090Pro Series Storage



Configuration (Per controller)

Operating System	3GenOS 64bit
CPU(s)	Xeon Quad Core E5606 or 6 Core E5650 2.66Ghz
Memory	8GB ECC DDR3 Memory
Hard Drive Interface	Serial ATA III or SAS HDDs – 250 HDDs with optional JBOD
Maximum storage capacity	1250TB, 5TB per disk
Dimension	132mm X 437mm X 648mm
Power	1200 Watt Output @180-240V

Connectivity

10/100/1000 Ethernet Ports	2 Auto-sensing (Up to 6) per controller
8Gb/16Gb FC & 10Gb Ethernet	Optional
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 and Power Supply	Hot swappable
UPS and Environmental Support	Yes
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 Enhancing SSD	Optional
FileLock (WORM NAS)	Optional
Real Time Volume Encryption	Optional

Management

Remote Management	Yes
Active Directory Services	Yes
Network Discovery Tool	Yes



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