

- ◆ **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.
- ◆ **Upgradeable to 8Gb/16Gb FC ports and 10Gb Ethernet ports**  
Standard with dual Gb Ethernet ports
- ◆ **Comprehensive data protection in an easily-administrated SAN environment**  
Centralized server backup, unlimited snapshot and local volume cloning are all standard features.
- ◆ **Performance that meet and exceed your applications demand**  
Outstanding file-based and transaction based performance with high bandwidth, 64-bit architecture, and the Industrial leading memory and flash caching I/O technologies
- ◆ **Ample scalability to meet your diverse business needs – up to 120 HDDs**  
Storage platform starts from 8TB and supports real time field upgrade to 960TB  
"Buy what you need today and grow when you need it in the future"
- ◆ **High Performance 6Gb/12Gb SAS Chassis**  
Maximum hardware bandwidth to avoid data congestion and achieves best in class performance.
- ◆ **Speedy Natural Disaster Recovery via Remote Volume Mirroring**  
Ability to mirroring critical data to remote location via FC and/or iSCSI
- ◆ **Value added applications available for cloud computing, productivity and data availability**  
Dynamic thin provisioning, file 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 V9000 series Unified 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 V9000 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 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 based data de-duplication.

## High Usability

IntelliNAS V9000 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 with IntelliNAS V9000 series because it is based on industrial 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 V9000 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 V9000 series makes this possible by providing native support of the iSCSI, FC, FCoE, NFS and CIFS storage protocols.





# Data specifications



## IntelliNAS V9030, V9040, V9060, V9080 and V9120

### Configuration

Operating System	3GenOS 64bit
CPU(s)	Xeon Quad Core Xeon E3-1220
Memory	1GB (V9030), 2GB (V9040 and V9080), 16GB (V9080 and V9120) - Up to 32GB
Hard Drive Interface	Serial ATA III or SAS HDDs up to 120HDDs with optional JBOD (except V9030)
Maximum storage capacity	960TB, 8TB per disk
High Performance SAS	6G / 12G

### Connectivity

10/100/1000 Ethernet Ports	2 Auto-sensing (Up to 8)
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

Hot swap HDD	True Hot Swap
RAID	RAID 0, 1, 5, 6, 10, 50 and 60
Online Volume Expansion	Yes
SnapBack / SnapQuick	Yes
Local Volume Cloning	Yes
Redundant Cooling Fans	3 hot swappable
Redundant Power Supply	2 hot swappable
UPS and Environmental Support	Yes
3Gen Flash Caching	Optional
3Gen Automated Storage Tiering	Optional
File based Data De-duplication	Optional
Dynamic Thin Provisioning	Optional
Data Mirroring	Optional
Redundant OS	Optional
Clustering (Act -Act / Act- Pass)	Optional
FileLock (WORM NAS)	Optional
Real Time Volume Encryption	Optional

### Management

Remote Management	Yes
Active Directory Services	Yes
Distributed Files System	Yes
Network Discovery Tool	Yes



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