



WORM Network Storage
IntelliNAS V9000 WORM Storage



- ◆ **Comply with all major media regulations – SEC Rule17a-4 and Sarbanes-Oxley**
The included FileLock software is designed to ensure that your critical electronic records are complete, accurate, reliable, accessible and secured for their full retention periods.
- ◆ **Fast WORM Storage on Magnetic Disk**
High performance, non-rewritable and non-erasable Worm disk storage Integrated with IntelliNAS v9000 protects data until a specified retention date.
- ◆ **Unlock the full potential of your growing fixed content by enabling machine mobility and offloading the work of data protection**
Enable the connection of your heterogeneous server environment (including Windows, UNIX and Linux servers) and clients to one storage system .
- ◆ **Flexible and Robust Data Protection**
Supports fully compliant replication between WORM volumes on IntelliNAS near-line and primary storage systems.
- ◆ **Performance that keeps up with your applications demands**
Outstanding file-based and transaction based performance with high bandwidth, 64-bit architecture, and the latest I/O technologies.
- ◆ **Advanced Security Features**
Powerful authentication, access controls, access restrictions, and transmission encryption to protect confidential data.
- ◆ **Centralized Management for both file and block based storage**
Web based management allows users to manage their system via remote browsers from any place in the world and preserve investment in staff expertise by using same management tools.



Organizations face ever-increasing risk on their corporate data. Explosive data growth, new retention and compliance requirements, escalating costs and complexity have challenged all businesses. Traditional tape media or optical tape implementations have produced inferior results because it could not provide sufficiently rapid access and reliability. IntelliNAS V9000 WORM storage provides non-erasable, non-rewritable WORM data permanence functionality utilizing high-throughput magnetic disk drives in a cost efficient, highly available RAID configuration. From a data perspective, the process of committing data to WORM can be thought of in the same manner as storing data on a WORM optical platter. As does an optical platter “burned” with data, IntelliNAS V9000 WORM storage protects data committed to WORM status from any possible alternation or deletion until its retention period has expired. IntelliNAS v9000 WORM is geared towards assisting organizations with meeting regulatory and best practice guidelines for protecting digital assets.

Absolute data permanence for corporate archival storage.

IntelliNAS V9000 WORM takes data durability to a higher level. Corporate data assets, records can now truly locked safe. Storing and accessing massive amounts of information in high-capacity, and easily expandable IntelliNAS Network Storage System ensures the maximum return on your IT infrastructure investment. The same IntelliNAS system that provides the fast access to unalterable data can simultaneously handle disk-to-disk backup, cross-platform replication, and primary storage.

Open, Standard-based solution for easy integration

IntelliNAS V9000 WORM storage supports open, industry standard protocols such as FTP, CIFS and SMB data access and application integration-as opposed to other WORM data solutions that require each application vendor to write to a closed, proprietary API to store, retrieve and search data.

Ease of Management

IntelliNAS V9000 WORM greatly simplifies system planning and management of fixed content storage. 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. Preserve investment in staff expertise and capital equipment with IntelliNAS series that are based on industrial proven 3GenNAS Operating System and using the same 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 businesses.



the next generation of business machines



Data specifications



**IntelliNAS V9040 WORM
(2U Rackmount)**

**IntelliNAS V9080 and V9120 WORM
(3U and 4U Rackmount)**

Configuration

Operating System	3GenNAS with FileLock™	3GenNAS with FileLock™
CPU(s)	Xeon Dual Core 3050	Xeon 5410 Quad-Core
Memory	2GB	4GB
Hard Drive Interface	8 SAS HDDs	16 (3U) and 24 (4U) SAS HDDs
Maximum storage capacity	16TB with 2TB per disk	120 disks with optional SAS JBOD 240TB with 2TB per disk

Connectivity

10/100/1000 Ethernet Ports	2 Auto-sensing	2 Auto-sensing
NIC Teaming	Yes	Yes
Load Balancing	Yes	Yes
Ethernet Failover	Yes	Yes
Backup Interface	USB2.0 and optional SCSI	USB2.0 and optional SCSI
Interoperability	Windows, Unix, Linux, Novell and MAC	Windows, Unix, Linux, Novell and MAC
Interface Support	FTP, SMB, CIFS, NFS, AD, LDAP. (iSCSI, FC, HTTP to be available)	FTP, SMB, CIFS, NFS, AD, LDAP. (iSCSI, FC, HTTP to be available)

Data Protection and Reliability

Hot swap HDD	True Hot Swap	True Hot Swap
RAID	RAID 0, 1, 5 and 6 (Hardware Optional)	Hardware RAID 0, 1, 5 and 6
Online Volume Expansion	Yes	Yes
SnapBack / SnapQuick	Yes	Yes
Redundant OS	Optional	Optional
Redundant Cooling Fans	4 hot swappable	4 hot swappable
Redundant Power Supply	2 hot swappable	2 hot swappable
UPS Support	Yes	Yes
Environmental Monitor	Yes	Yes
Client Backup Software	Yes	Yes
NAS Server Backup Software	Included with USB attachment (tape optional)	Included for USB attachment (tape optional)
Asynchronous Mirroring	Yes	Yes
Clustering Failover	Optional	Optional

Management

Remote Management	Yes	Yes
Active Directory Services	Yes	Yes
Distributed Files System	Yes	Yes
File Replication Services	Yes	Yes
Multiple Device Manager	Yes	Yes
Network Discovery Tool	Yes	Yes
SNMP Support	Yes	Yes



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