

Genesis NX NAS

12/24/36 Bay Chassis



Genesis NX Features

- » Simple to install
- » Passes security audit
- » 24TB - 360TB NAS based on 12/24/36 drive chassis
- » SMB/CIFS, NFS, AFP, and FTP support
- » Easy-to-use GUI for setup and administration
- » SAS expansion provides over 400TB capacity
- » High-performance 2.0 GHz Intel® 2600 CPU
- » 12, 24 bay standard with 64GB RAM, upgradable to 128G
- » 36 bay standard with 128GB RAM, upgradable to 192GB
- » Four 1Gbps Ethernet ports can be bonded for more band width
- » Symantec backup exec agent allows backup over LAN
- » Built-in snapshots and asynchronous replication cloning.
- » Optional 10Gbps support
- » Redundant high-efficiency power supplies
- » Supports Windows, Mac OS X, Linux and Unix
- » 6 Gbps SAS RAID controller RAID 0, 1, 5, 6 with diagnostic GUI
- » 36 Bay comes with 12Gbps Drive Backplane
- » Ethernet based IPMI system monitoring
- » Failed drive reporting and auto-rebuild
- » Error logs and email notification
- » Remote notification of RAID events
- » Secure management with SSH and HTTPS
- » Join Active Directory or use interactive LDAP

The Genesis NX Advantage

Our NAS & integrated storage server subsystems provide our customers with very competitive cost/GB, high-performance data storage and rack density without sacrificing processing power. Now with the addition of the SAS-attached JBOD expansion chassis, capacities can reach over 400TB. This low cost network appliance can be used as a typical NAS file server, an iSCSI host or target, or spinning disk archive. Genesis NX scales above the typical NAS systems and can grow the file system with added storage and offers RAID 6 data protection with a simple to use administration GUI. Enterprise features include replication, snapshot, and secure remote administrative functions.

The built-in snapshot function and synchronizing of data with a remote Genesis NX creates a sophisticated disaster recovery method. Symantec backup agents are embedded into our Genesis NX NAS for ease of integration into your Symantec storage management strategy.

Improved Genesis NX Advanced Features

The Genesis NX NAS can be configured as a simple NAS file server or used as near-line or overflow storage for Medical, CAD, CAM, and Video Editing. Media rich applications can use it as a spinning disk archive or as a disaster recovery and business continuance storage appliance.

It is easily integrated into a large data center SMB network or various applications. This new generation of the Genesis NX NAS provides:

- **Standard 12, 24, 36 bay configurations chassis with over**
- **400TB customized multi chassis configurations available**
- **Support for file serving, archiving, streaming media editing, or asset management applications**
- **Secure administration access**
- **Embedded web-based GUI for monitoring status and troubleshooting**
- **Adaptive load balancing and bonded Gbps NIC or 10 Gbps options for higher bandwidth**
- **Expansion via multiple SAS storage arrays grow the files system without loss of data**
- **Built-in antivirus, SNMP, email notification**
- **Embedded Snapshot and Symantec client agents allow the network to backup NAS data**
- **Built-in NAS to NAS asynchronous replication over LAN or WAN**

System and controller features

Chassis	Compact 2U or 4U steel and aluminum alloy enclosure with rack mount kit, dual FRU power supplies and fan assemblies and 6Gbps drive backplane power on/off switch; system reset switch; LAN, Fan Fail, power indicators; six high-speed fans - (36 bay ships with 12Gbps drive backplane)
Controllers	3.5 GHz Intel 1600 CPU, 12 bay 64GB (4x16), 24 bay 64GB (2x32) 36 bay 128GB (4x32) RAM
Drive Support	12/24/36 3.5" x SAS/SATA 6Gbit/s hard drives in field replaceable canisters staggered physical drive spin-up, drive LED support
External I/O Ports	Four Gbps host ports. keyboard. SAS expansion on RAID card allows JBOD add-on capacities up to 72 drives for 12 bay and 144 drives on 24 / 36 bay*

Operational Features

RAID protection	RAID 0,1,6 RAID 6 default. physical drive error recovery. Replacement drive rebuild and monitoring, SMART, error recovery mechanisms
Spare Drives	Genesis NX RAID 6 configuration can be configured with or without a hot spare drive. RAID 6 has two parity drives and therefore doesn't require a hot spare drive, however a hot spare can be configured at the factory by request.
Key Features	Snapshots (VSS based) for file and block data: replication: global namespace: up to 240TB per share point file server resource management for quotas, file screening, storage utilization reports: indexing services for optimized search, Built in anti virus, built in network backup clients. ADS & NIS User Group ID Synchronization NAS support for up to 240TB logical volumes. Multiple logical volume & groups, online logical volume expansion.
Network Protocols	SMB, NFS, FTP, HTTP

System Management

Supported OS	Windows, macOS X, Linux
Management Tools	Embedded web mgmt. support — no host agent is needed using standard TCP/IP; simple process to create users and groups, ADS synchronization volume creation or partitioning; NAS tuning tools for optimal performance for various applications; easy-to-parse error logs and status monitoring.
Management Interfaces	Embedded web server and management support — no host agent is needed; Ethernet
Event Notification	Email, audible [buzzer], and visible [LEDs] alerts for bad drives and power supplies

Mechanical Specifications

Voltage	90-264 VAC Auto-Ranging 50-60 Hz
Power Supply	12 / 24 Bay: 920W Redundant PS; 36 Bay: 1280W Redundant PS
Power Consumption	12 Bay: 325 Watts; 24 Bay: 465 Watts; 36 Bay: 525 Watts
Operating Temperature	Operational 5°- 35°C (non operational -40° +70°C)
Relative Humidity	0-90%
Dimensions	12 Bay - width 17.2" (437mm) height 3.5" (89mm) depth 25.5" (648mm) / gross weight: 61 lbs (27.7 kg)
	24 Bay - width 17.2" (437mm) height 7" (178mm) depth 26" (660mm) / gross weight: 92 lbs (41.7 kg)
	36 Bay - width 17.2" (437mm) height 7" (178mm) depth 27.5" (699mm) / gross weight: 104 lbs (47.2 kg)



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