

SGI® InfiniteStorage NEXIS 2000 Network-Attached Storage

Price-Performance Value and Scalability for Workgroup File Sharing and Departmental Storage Consolidation

Features

- High-performance SAS drive option
- Non-disruptive upgrades to 144 drives
- Fully integrated SGI InfiniteStorage Appliance Manager for quick setup
- Easy-to-use, low-latency, and scalable file system
- NFS, CIFS, and iSCSI protocols
- Preconfigured and performance-tuned storage system

SGI InfiniteStorage NEXIS 2000 NAS platforms combine high performance and scalability with appliance-like simplicity. The family delivers exceptional value with ease of management for lower total cost of ownership. The SGI InfiniteStorage NEXIS 2000 NAS family is pre-configured and optimally tuned for performance. Industry-leading software streamlines setup and ongoing administration.

Integrated SGI InfiniteStorage Appliance Manager and Toolset

SGI NAS solutions give customers complete, ready-to-go platforms for information management. The SGI InfiniteStorage NEXIS 2000 family includes the pre-installed SGI InfiniteStorage Appliance Manager for fast and easy configuration setup, granular discovery, and resolution guidance. The intuitive graphical user interface speeds day-to-day tasks, helping to reduce manageability costs.

Using the SGI InfiniteStorage Appliance Manager, administrators can perform storage setup in less than 20 minutes. Network address and file system information can be rapidly initialized and other built-in functions give administrators a convenient Web-accessible interface to monitor and manage performance, disk utilization, file system quotas, usage statistics, and other storage parameters.

Industry-Leading File System Performance

The SGI InfiniteStorage NEXIS NAS family benefits from the industry-leading SGI file system technology. Architected to scale performance and directory size for up to exabytes of addressable space, the exceptional SGI file system can be applied to a wide range of hardware platforms and configurations. Both NFS and CIFS yield exceptionally competitive application performance including demanding write-to-disk operations. This value is further enhanced with SGI advancements that yield highly efficient and low-latency file system operation.

Scalability and Expandability for Protecting Storage Investments

Each storage solution can be expanded—without forklift upgrades:

- Performance headroom accommodates the addition of more storage devices including up to 144 300GB 10KRPM SAS drives providing up to 43TB of high-performance raw storage capacity
- Non-disruptive upgrades allow continuous access to data

Help from the Storage Experts

SGI provides worldwide support from a team with in-depth storage expertise. For those IT organizations that prefer to support their own systems, SGI provides phone support and next-business day advanced parts exchange. SGI's highly rated onsite hardware support is also available, with a choice of response times that can meet each site's requirements.



SGI® InfiniteStorage NEXIS 2000 Network-Attached Storage

NAS Server

- CPU Time (Intel)
- System Memory
- Base Number of GbE
- Base Number of 4Gbe FC

InfiniteStorage NEXIS 2000 SAS

2.33 GHz Dual Core Xeon
8GB
8
6

InfiniteStorage NEXIS 2000 SATA

2.33 GHz Dual Core Xeon
4GB
4
2

Storage

- Base Controller
- Maximum Number of Drives
- Base Drives
- Expansion
- Maximum Number of Expansion
- RAID Setting
- Maximum Capacity
- Maximum Usable Capacity

InfiniteStorage NEXIS 2000 SAS

Dual Controller
144
48 Drive Enclosure
48 x 300GB 10K SAS
48 x 146GB 15K SAS
3 Expansions Total
10+1 RAID 5 Groups + 1 Hot Spare per Tray
43.2TB
36TB

InfiniteStorage NEXIS 2000 SATA

Single Controller
48
12 Drive Enclosure
12 x 500GB SATA
12 x 750GB SATA
Three 12 Drive Enclosures Total
10+1 RAID 5 Group + 1 Hot Spare per Tray
36TB
30TB

System and Network Protocol Support

- Management Interface
 - Operating System
 - Standard Software Features
 - Licensed Software Products
 - File Access Protocols
 - Block Access Protocols
- SGI InfiniteStorage Appliance Manager Graphical User Interface (GUI), Command Line Interface (CLI)
Novell SUSE Linux Enterprise Server 10 •• SGI ProPack™5 for Linux®
CIFS, NFS, XFS, Volume Manager, SGI InfiniteStorage Appliance Manager, NDMP
Data Migration Facility, Snapshot
NFS v2, v3, v4, CIFS, FTP, TCP, SSH
iSCSI target

System Software

- SGI InfiniteStorage Appliance Manager 4
 - Setup Wizard for initial system setup
 - Dynamic capacity & volume expansion
 - Management GUI presents real time resource, performance, and system alerts geographically
 - Historical data for trending analysis
- XFS 64-bit journaled file systems
 - 1000 file systems
 - 18 EB in a single file system
 - 9 EB maximum file size

Optional Software

- SGI XVM Snapshot
 - Copy-On-Write copy at volume level
 - Up to 256 snapshots per file system
 - Fully integrated with Appliance Manager 4
- SGI Data Migration Facility
 - Policy-based data migration utility

Support and Warranty

- 3 years on-site hardware repair and replacement with next business day response time
- 90 days software support
- 24 X 7 support available

Installation Service

- SGI offers Optional Installation Services. For more information, please see www.sgi.com/support

Dimensions

- NAS Server
- InfiniteStorage NEXIS 2000 SAS
- InfiniteStorage NEXIS 2000 SATA
- Rack

Height

2U (3.44"H x 16.93"W x 27.75"D)
2U (3.43"H x 18.97"W x 21.21"D)
2U (3.43"H x 18.97"W x 21.21"D)
39U (75.8"H x 29.1"W x 43.2"D)

Weight

65 lbs max
59.55 lbs max
59.55 lbs max
346 lbs empty

Environmental (Operating) Temperature

- NAS Server
 - Storage Controller
 - Drive Tray
- +10°C to +35°C altitude 5000 MSL
+10°C to +30°C altitude 10000 MSL
10°C (50°F) Min
40°C (104°F) Max
10°C (50°F) Min
40°C (104°F) Max

Electrical Power

- Input Voltage
 - Rack AC Distribution
 - Receptacles Required
 - US
 - International
 - NAS Server
 - Storage Controller
 - Drive Tray
- 187-257 VAC, 50/60 Hz
SGI Provided Rack PDU's
NEMA L6-30R, 200/240 VAC, 30 Amp
IEC60309, 200/240 VAC, 32 Amp
450 watts dual core processors
515 watts
515 watts



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