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	InfiniteStorage NEXIS 2000 SAS	InfiniteStorage NEXIS 2000 SATA
• CPU Type (Intel)	2.33 GHz Dual Core Intel Xeon	2.33 GHz Dual Core Intel Xeon
• System Memory	8GB	4GB
• Base Number of GbE	8	4
• Base Number of 4Gbe FC	6	2

Storage	InfiniteStorage NEXIS 2000 SAS	InfiniteStorage NEXIS 2000 SATA
• Base Controller	Dual Controller	Single Controller
• Maximum Number of Drives	144	48
• Base Drives	48 Drives	12 Drives
• Expansion	48 x 300GB 15K SAS	12 x 500GB SATA
	48 x146GB 15K SAS	12 x 750GB SATA
	Three Expansions Total	Three 12 Drive Enclosures Total
• RAID Setting	10+1 RAID 5 Groups + 1 Hot Spare per Tray	10+1 RAID 5 Group + 1 Hot Spare per Tray
• Maximum Capacity	43.2TB	36TB
• Maximum Usable Capacity	36TB	30TB

System and Network Protocol Support
• Management Interface	SGI InfiniteStorage Appliance Manager Graphical User Interface (GUI), Command Line Interface (CLI)
• Operating System	Novell SUSE Linux Enterprise Server 10 • • SGI ProPack™5 for Linux®
• Standard Software Features	CIFS, NFS, XFS, Volume Manager, SGI InfiniteStorage Appliance Manager, NDMP
• Licensed Software Products	Data Migration Facility, Snapshot
• File Access Protocols	NFS v2, v3, v4, CIFS, FTP, TCP, SSH
• Block Access Protocols	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
  - Historical data for trending analysis
- XFS 64-bit journaled 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 Applicance Manager 4
- SGI Data Migration Facility
  - Policy-based data migration utility

Support and Warranty
- Three 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

Dimensions	Height	Weight
• NAS Server Storage Controller Tray	2U (3.44"H x 16.93"W x 27.75"D)	65 lbs max
• InfiniteStorage NEXIS 2000 SAS Storage Controller Tray	2U (3.43"H x 18.97"W x 21.21"D)	59.55 lbs max
• InfiniteStorage NEXIS 2000 SATA Storage Expansion Tray	2U (3.43"H x 18.97"W x 21.21"D)	59.55 lbs max
• Rack	39U (75.8"H x 29.1"W x 43.2"D)	346 lbs empty

Environmental (Operating) / Temperature

Environmental (Operating)	Temperature
• NAS Server	+10°C to +35°C for altitudes below 5000 feet above MSL
	+10°C to +30°C for altitudes below 10000 feet above MSL
• Storage Contoller	10°C (50°F) Min
	40°C (104°F) Max
• Drive Tray	10°C (50°F) Min
	40°C (104°F) Max

Electrical Power
• Voltage	Switchable 100-120 VAC or 200-240 VAC, 50/60 Hz
• Rack AC Distribution	SGI Provided Rack PDU's
• Receptacles Required	
– US	NEMA L6-30R, 200/240 VAC, 30 Amp
– International	IEC60309, 200/240 VAC, 32 Amp
• NAS Server	450 watts
• Storage Controller	515 watts
• Drive Tray	515 watts

For more information, go to: www.sgi.com/storage