

# SGI® InfiniteStorage NEXIS 5000 Network-Attached Storage

High Capacity Scaleable Solution for  
Near-Line and Archival Storage

#### Features

- High-capacity, low-cost scalable storage
- Non-disruptive storage expansion up to 336TB
- Fully integrated SGI InfiniteStorage Appliance Manager and administrative toolset
- Advanced, robust, and scalable file system
- NFS, CIFS, and iSCSI protocols
- Preconfigured storage system

The SGI InfiniteStorage NEXIS 5000 NAS solution satisfies high storage capacity requirements with scaleable bandwidth. Typical applications include archival libraries, eDiscovery, secondary storage and on-line backup.

#### Integrated SGI InfiniteStorage Appliance Manager and Toolset

SGI NAS solutions give customers complete, ready-to-go platforms for information management. The SGI InfiniteStorage NEXIS 5000 solution 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

The SGI InfiniteStorage NEXIS NAS family benefits from the industry-leading SGI file system technology. Architected to scale 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 448 750GB SATA disk drives per NAS server for up to 336TB total 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 5000 Network-Attached Storage

## NAS Server

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

## InfiniteStorage NEXIS 5000

4 Core Itanium 2  
24GB  
8  
8

## Storage

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

## InfiniteStorage NEXIS 5000

Dual Controllers  
448  
112 x 750GB 7,200 rpm SATA drives  
16 x 750GB 7,200 rpm SATA drives  
Three 4+1 RAID 5 Groups + 1 hot spare per tray  
336TB  
252TB

## 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 (DMF), 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 Appliance 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

## Services

- SGI offers professional storage services. For more information, please see [www.sgi.com/products/services/professional/storage](http://www.sgi.com/products/services/professional/storage)

## Dimensions

- NAS Server

## Height

5U (8.75"H x 17.5"W x 17.0"D)  
4U (6.9"H x 19"W x 23.5"D)  
3U (5.25"H x 19.0"W x 23.5"D)  
3U (5.25"H x 19.0"W x 23.5"D)  
39U (75.8"H x 29.1"W x 43.2"D)

## Weight

130 lbs  
80.5 lbs  
87 lbs  
88 lbs  
346 lbs empty

## Temperature (Operating)

- +5°C to +35°C for altitudes below 5000 feet above MSL
- +5°C to +30°C for altitudes below 10000 feet above MSL

## Electrical Power

- Input Voltage 250 VAC (187 to 257 VAC) frequency 50/60 Hz
- Rack AC Distribution 250 VAC 16A
- Receptacles Required
  - U.S. NEMA L6-30P, 250 VAC, 30A
  - International IEC 309, 220 VAC 32A



Corporate Office  
1140 E. Arques Avenue  
Sunnyvale, CA 94085  
(650) 960-1980  
[www.sgi.com](http://www.sgi.com)

North America +1 800.800.7441  
Latin America +55 11.5185.2860  
Europe +44 118.912.7500  
Japan +81 3.5488.1811  
Asia Pacific +1 650.933.3000

For more information, go to: [www.sgi.com/storage](http://www.sgi.com/storage)

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