SGI® InfiniteStorage NAS 1050 Gateway

Features

- Enterprise class features become Quick Set up with NAS Manager GUI
- High reliability and availability

- Intuitive management tools for ease of use
- Multi-protocol file sharing enables seamless integration
- Industry-leading price/performance
- High performance XFS journal file system

POWERFUL HIGH-PERFORMANCE NAS GATEWAY

High-Performance Network-Attached Storage (NAS) Solution

SGI InfiniteStorage NAS 1050. Gateway delivers universal data access for heterogeneous environments for the most demanding workloads without sacrificing performance. SGI NAS configurable solutions connect to an Ethernet network to serve UNIX®, Windows®, and Mac® clients.

Scalable Capacity and Performance

SGI InfiniteStorage NAS 1050 Gateway ships with the XFS file system, an industry leader in performance and scalability, designed for high performance computing. SGI InfiniteStorage NAS 1050 supports up to 252TB and can be scaled non-disruptively. SATA, FC, and SAS drives are also supported along with 8 GbE configurable ports.

Intuitive Easy to Use NAS Manager GUI

SGI InfiniteStorage NAS 1050 Gateway includes SGI InfiniteStorage NAS Manager Software, which enables set up and definition of the gateway and can support RAID systems within 20 minutes. The menu driven GUI provides performance monitoring, data management, diagnostic, and set up tools. The customizable GUI also provides a command line interface for the advanced user. SGI InfiniteStorage NAS 1050 Gateway supports network backup via multiple commercially available backup products. Volume management, snapshot, and mirroring features are also available and are managed through the GUI.

High Reliability and Availability

SGI InfiniteStorage NAS 1050 Gateway leverages award winning hardware design expertise to provide high availability and data protection. Features like redundant power supplies, cooling fans, mirrored root drive, and RAID protection are standard to ensure the safety of valuable data.

Virtualization

SGI InfiniteStorage NAS 1050 Gateway can be configured to present one device and virtualizes multiple storage arrays which can appear as a single file system or storage pool. SGI InfiniteStorage NAS 1050 Gateway is a complete NAS device with a unique IP address and security authorization. The Gateway offers authentication, integrity and privacy security models. It can be relocated, maintained, and scaled without disruption or data migration. Capacity can be added and configured non-disruptively through the NAS Manager.

Flexible, Open Configurations Protect Investment Over Time

SGI InfiniteStorage NAS solutions provide the flexibility to support evolving business requirements. Transparent integration into UNIX, Windows, and Apple® environments ensures your information will be centrally available to network users.

SGI® InfiniteStorage NAS 1050 Gateway

Storage Management Software

XFS

High-performance 64-bit journal filesystem; maximum file size—
9 million terabytes (depends on system drive limits); maximum
filesystem size—18 million terabytes (depends on drive limits)
Automated tape libraries with capacity range of 2–42TB.

DMF

DMF migrates data among your storage assets based on your criteria;
so only the most critical or timely data resides on more expensive,
higher performance storage media. DMF improves storage utilization,
saves on capital investment, and scales almost infinitely. DMF is an
optional software feature.

XVM Volume Manager

Virtualization technology to organize logical data.
Structures for high performance and ease of management

Snapshot

Snapshot is an optional software feature, 256 snapshots are supported

System Hardware

• Processors	2.33 GHZ, 2.6 GHZ, 3.0 GHZ Dual Core Xeon Processor
• Memory	8GB Standard upgrade to 16GB or 32GB
• Storage Connectivity	up to 6 - 4GB FC Ports
• LAN Connectivity	8 GbE

Storage and File System

• Storage Arrays	IS330,IS350, IS4000, IS4500, TP9300, TP9500, TP9700
• Raid Levels	0, 1, 5, 10 depends on external array
• Snapshots	256
• File System	XFS™ 64-bit journaled filesystem

System and Network Protocol Support

• Management Interface	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, Appliance Manager
• Licensed Software Products	Data Migration Facility, Snapshot, Replication
• File Access Protocols	NFS v2, v3, CIFS, FTP, TCP, SSH
• Block Access Protocols	iSCSI target

Enclosure Dimensions and Weight

• Dimensions	2U (3.44"H x 16.93"W x 27.75"D)
• Weight	65lbs. max

Power Specifications

• Power Supply	Redundant 750W power supply
• Voltage	200-240 VAC (North America/Japan); 230 VAC (International)

Environmentals

• Operating Temperature	+10°C to +35°C, altitude 5000 MSL +10°C to +30°C, altitude 10000 MSL
• Non-Operating Temperature	-40°C to +70°C, altitude 40,000 MSL
• Humidity	90% non-condensing @ 35°C (@28C for 2U)

Support and Services

• Warranty	Three year next-business day advanced parts replacement. 5x9 coverage for shipment of parts. 7x24 support coverage available
• Installation	SGI offers Optional Installation Services. For more information Please see www.sgi.com/support