



Datasheet

SGI Internet Server™

Features and Benefits

- Low entry cost
- Thin (2U) form factor for more units per rack
- Reliable Linux operating system
- Preinstalled, fully supported tools for quick deployment, easy monitoring, and remote administration
- Web-based tools to streamline installation, troubleshooting, and networking
- Security lockdown and intrusion detection software
- High-performance integrated basic services for Web serving and messaging
- Preinstalled Apache Web Server plus SGI performance enhancements
- Single-point-of-call support with world-class SGI global services and support

The Fast and Easy Way to Deploy Internet Server Solutions

The server company that powers the world's most demanding Web sites now offers a powerful thin server for the Internet. SGI Internet Server combines the convenience of an appliance with the flexibility of an open system.

Designed for ISPs, ASPs, and colocation facilities, the Linux® OS-based SGI Internet Server is a cost-effective, completely integrated, thin serving solution, which provides quick installation and deployment for these high-growth environments. SGI Internet Server includes advanced management, monitoring, and security tools with integrated basic services for Web serving and messaging.

SGI Internet Server provides a foundation to support the entire suite of applications found in high-volume environments of service providers, such as high-volume messaging services, large Web-hosting applications, e-commerce applications, and media-serving applications.

Designed to Grow with Your Business

To meet ever-increasing customer demands, service providers must have the ability to integrate new solutions into existing infrastructures quickly and affordably. The entry-level priced SGI Internet Server is designed specifically for service providers that need to keep pace with expanding network needs while controlling expenses.

In addition to delivering optimum reliability, SGI Internet Server offers simple rack-and-stack scalability. Service providers can expand their services with minimal hassle and expense. Adding shared Web hosting servers or more messaging capacity is as simple as stacking an additional SGI Internet Server into the rack.

Internet service providers must also factor space limitations into their product selection decisions and get exceptional performance in the smallest package possible. SGI Internet Server is as powerful as it is compact. With up to 19 dual-processor SGI Internet Servers installed in a full-height rack, service providers have a powerful solution to handle extremely high-volume Internet serving requirements.

Reduced Support Costs Increase the Bottom Line

SGI Internet Server is highly reliable, requires very little maintenance or support, and integrates advanced manageability features. Support costs are further reduced due to:

- A reliable Linux platform
- Centralized configuration, administration, and management
- Improved system security through integrated server lockdown tools

SGI also reduces support costs by offering complete single-point-of-call support for hardware and software issues, providing a quick response from the world-class SGI global services and support organization.



Reliable Thin Server Architecture

SGI Internet Server is based on the SGI™ I200 server, which combines SGI's commitment to high-performance, scalable servers with the reduced cost and reliability of the Linux operating system. Leveraging SGI's collaborative development with the open source community, SGI Internet Server is optimized to provide high performance for the Linux operating system.

Turn to SGI for More Affordable Internet Server Solutions

SGI Internet Server is the most viable solution for service providers interested in taking advantage of the reliability of the Linux operating system. The solution is delivered in a small form factor and allows service providers to expand their value-added services and scale to meet the needs of their customers with the highest degree of cost-efficiency.

SGI Internet Server is part of the SGI Media Commerce™ solutions suite of products that enable customers to transact content over a vast range of network types.

SGI Internet Server Features and Specifications

Manageability Features

Centralized Management

- Configuration and administration of a single server or a cluster of servers
- Easy-to-use Web-based user interface, central repository, one-stop configuration and customization

Performance Co-Pilot™ Performance Monitoring Tool

- Improve uptime and reliability of your service
- Effectively and accurately bill customers for usage

Customer Content Management

- End users can easily upload information using FTP
- Improve customer self-service and reduce the need for technical support

Security Features

Intrusion Detection

- Tripwire Integrity Assessment Technology actively monitors configuration files to safeguard against corruption or tampering

Secure Server

- The integrated Bastille Hardening Program provides lockdown scripts and a secure configuration that protects against unauthorized use

SGI Secure Server Operations Guide

- A guide to help make security-conscious customization and operations

Applications

- Preinstalled Apache Web Server plus SGI performance enhancements
- Preinstalled SendMail messaging services

SGI Internet Server Hardware Specifications

Dimensions and Weights

Rack-mount	3.5" [2U] x 19" x 25.25"
	8.89 cm x 48.26 cm x 64.14 cm
Weight	45 lb minimum configuration [or 20.4l kg]
Shipping weight	70 lb [or 31.75 kg] maximum, including packaging and documentation

Operating System Support

Red Hat® Linux, SGI ProPack for Linux™
For most current list, see www.sgi.com/software/linux/tech_info.html

Processor Support

- Microprocessor Intel® Pentium® III CPU
- CPU capacity 1-2 CPUs
- Clock speed 700 MHz or higher
- Primary caches 32KB [16KB data/16KB instruction] nonblocking
- Advanced transfer cache 256KB unified, nonblocking, full-speed on-die cache

System Memory

- Memory capacity Up to 2GB SDRAM, ECC protected
- Memory bandwidth 800MB/sec

System Features

- System bus speed 100 MHz
- I/O bandwidth 133MB/sec [or 1064Mb/sec] peak
- RAS features Remote management port
Hot pluggable internal drives

Cooling

- Two fans for hard drive bay
- One fan for the power supply
- Heat sink fans on CPU

- Keyboard/mouse port 2 PS/2, 8240A compatible

- Serial ports 2 asynch, RS-232C, 9-pin

- Parallel port 1 IEEE 1284, 25-pin bidirectional

Networking and Storage

- CD-ROM drive 32X max. speed ATAPI CD-ROM drive preinstalled
- Floppy drive 3.5" x 1.0" 1.44MB floppy disk drive preinstalled
- I/O channels One 32-bit Peer PCI channel running at 33 MHz
- I/O slots 2 PCI slots
- Internal storage 1 LVDS SCSI channel
4 Ultra2 SCSI hot swap drive bays capacity 1 10/100Mb/sec auto-switch Ethernet port [Intel 82c559]
- Ethernet port Single-ended Ultra SCSI, 68-pin
- External SCSI Single-ended Ultra SCSI, 68-pin

Support and Warranty

- Warranty Three-year hardware warranty, year one with next-business-day response, years two and three parts-only
- Software support 90 days advisory support [business hours]
- Hardware support Upgrades available for same day and up to 7x24 on-site response
- Software support Upgrades available from limited-incident packages up to 7x24 annual contracts

Environmental and Regulatory

- Environmental [nonoperating] -40°C to +70°C
- Environmental [operating] +10°C to +35°C
- Electrical and power 115 V/60 Hz; 230 V/50 Hz
- Regulatory Meets or exceeds following requirements:
-U.S./Canada UL 1950, 3rd Edition [UL and cUL]
-Europe/CE Mark EN 60 950, German GS Mark to EN 60 950
- International Certified by NEMKO to meet requirements of EN 60 950 with amendments and Nordic deviations and IEC 950 with amendments
- Electromagnetic compatibility [EMC]
-U.S. FCC CFR 47 Part 15 Class A
-Canada Complies with limits for radio noise emissions for Class A digital apparatus as required by Industry Canada [IC]
- Europe/CE Mark EN55022 and EN50082-2 [CE Mark complies with EU EMC Directive 89/336/EEC]
- International CISPR 22, Class A
- Japan VDDI, Class 2 [based on CISPR 22 requirements]

Hardware Scalability

- 2U rack-mountable SGI Internet Server
- Up to 19 servers in a full rack configuration
- Up to 1.152TB of internal storage in a full rack configuration
- Optional hardware upgrades are available to increase memory, CPU, or storage as required

For more information please visit:
www.sgi.com/go/broadband



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