SGI™ 1200 Server

Features

- Dual-capable Intel Pentium III processor server
- Thin form factor for maximizing prime real estate in racks
- High performance and reliability from the Linux operating system
- Robust remote management and monitoring options
- Backed by SGI's enterprise-ready service and support

High-Density Rack-Optimized Server for Internet and Technical Server Farms

The SGI 1200 server is a scalable, highly available, rack-optimized server delivering outstanding performance. Supporting up to two Pentium® III processors, SGI 1200 is designed to support demanding Internet applications, as well as clusters of servers solving technical compute problems. SGI 1200 supports rapid and unpredictable growth in server farms. With a thin form factor (2U or 3.5" in height), the system easily mounts in industry-standard 19-inch racks. The SGI 1200 server for Linux® combines SGI's commitment to high-performance, scalable servers with the reduced cost and high reliability of the Linux operating system. SGI 1200 is Microsoft® Windows NT® tested so it enables access to a broad portfolio of additional applications.

Innovating with Linux: Driving Open Systems to Higher Performance

Through collaborative development efforts with the open source community, SGI 1200 leverages a broad base of innovation. SGI contributions to Linux include numerous performance-analysis tools, including kernel profiling, lock metering, and kernel event tracing. The SGI Advanced Cluster Environment includes tools for distributed software installation to facilitate the management of fast-growing server farms. SGI 1200 is one of the SGI Internet solutions, offering easy, quick-start setup, integrated remote management, and a secure operating environment.

Maximum Uptime with Reliability and Availability

Reliability of your server is key, with greater reliability translating to direct business benefits. SGI is driving further reliability improvements for Linux, such as a journaling filesystem. SGI 1200 includes standard features such as hot-pluggable disk drives and ECC memory. SGI 1200 is also backed by an enterprise-ready, around-the-clock, worldwide support team.

Robust Remote Management and Monitoring Options

Built with the latest remote management and monitoring options for optimized server performance, SGI 1200 includes an emergency management port for maintaining a system event log, capturing critical sensor data, and remotely resetting power via a serial line. SNMP support ensures the server can be integrated with standard enterprise management tools.

Top Quality, Single Point of Contact for Linux Services and Support

SGI's worldwide, enterprise-level services and support organization offers broad and robust Linux services. Our support staff brings enterprise-level support and solutions to Linux. From a single point of contact, get up to 24x7 call center support for hardware and Linux software, installation services, custom engineering, and consulting services, as well as world-class customer education.

SGI 1200 Server
Technical Specifications

Operating System Support
- Linux Red Hat®
- Linux SuSe
- Microsoft Windows NT
- Turbo 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	550 MHz, 700 MHz, 800 MHz
· Primary caches	32KB (16KB data/16KB instruction) nonblocking
· Secondary cache	256KB unified, nonblocking, full-speed on-die
· System bus speed	100 MHz

System Memory
· Memory capacity	2GB SDRAM, ECC protected
· Memory bandwidth	800MB/sec

System Features
· CD-ROM drive	32X max. speed ATAPI CD-ROM drive preinstalled
· Floppy drive	3.5" x 1.0" 1.44MB floppy disk drive preinstalled

Networking and Storage Capacity
· I/O bandwidth	133MB/sec
· I/O channels	One 32-bit Peer PCI channel running at 33 MHz
· I/O slots	2 PCI slots
· Internal storage	4 Ultra2 SCSI hot swap drive bays
· Internal controller	1 Ultra2 SCSI channel
· External controller	1 UltraWide SCSI connector (68 pin)
· Ethernet port	10/100Mb/sec auto-switch Ethernet port (Intel 82c559)

· Keyboard/mouse port	2 PS/2, 8240A compatible ports
· Serial ports	2 asynch, RS-232C, 9-pin ports
· Parallel port	1 IEEE 1284, 25-pin bidirectional port

Reliability and Availability
· RAS features	Emergency management port
	Hot plug internal drives
· Cooling	Two fans for hard drive bay
	One fan for the power supply

Support and Warranty
· Warranty	Three-year limited hardware warranty, year one with next-business-day response, years two and three parts-only
· Software support	90 days advisory support for Linux (business hours)
· Hardware support upgrades	Upgrades available for same day and up to 7x24 on-site response
· Software support upgrades	Upgrades available in the form of limited incident packages to 7x24 annual contracts

Dimensions and Weights
· Rack-mount	3.5" (2U) x 19" x 25.25"
· Weight	45 lb minimum configuration

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 the 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)

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