SGI™ 1400L Server
For Linux®

Features
- Scales to four Intel Pentium III Xeon processors
- Reliability and performance provided by the SGI Linux Environment with Red Hat Linux 6.0
- Backed by SGI’s Enterprise-Ready Linux Service and Support

Driving Open Systems to Higher Performance and Improved Reliability, Scalability, and Serviceability
The SGI 1400L server for Linux combines SGI’s commitment to high-performance, scalable servers with the reduced cost and high reliability of the Linux operating system. By tapping into the open source community, SGI 1400L leverages a broad base of innovation and is subject to the most rigorous testing possible. SGI’s worldwide, enterprise-level support makes SGI 1400L for Linux suitable for enterprise applications.

Reliability and Flexibility from an Open Systems Platform
Recognizing the low-cost advantage of open systems, SGI collaborated with Intel to deliver a high-performance solution based on industry-standard architectures—at industry-leading price points. With Intel® Pentium® III Xeon™ processors, you get incredible price/performance for Web servers, database servers, and application servers. In fact, SGI 1400L offers the largest, fastest cache: up to 2MB full-speed L2 cache, tuned by SGI for maximum performance. SGI 1400L is available in either a rackmount or a deskside configuration.

Easy Integration into Existing Environments with Strong Interoperability Tools
SGI is a multiprotocol company, striving to provide customers with a choice of solutions to best meet their needs. In today’s heterogeneous environments, companies need to access, manage, and share resources across a variety of operating systems and hardware platforms. SGI 1400L solutions include a number of interoperability tools, such as Samba. Samba provides leading performance for heterogeneous file sharing, allowing your SGI 1400L system to seamlessly serve Microsoft® Windows® clients as well as other UNIX® and Linux clients.

Maximum Uptime with Reliability and Availability You Can Trust
When access to your server is core to your business, reliability of the server is key. More reliability translates to direct business benefits: higher productivity and faster “time to insight.” SGI 1400L includes standard features such as hot-pluggable disk drives and redundant, hot-pluggable power supplies.

Robust Management and Monitoring Options
SGI 1400L includes an emergency management port for maintaining a system event log, capturing critical sensor data such as temperature changes, and remotely resetting power via a serial line. SNMP support ensures the server can be integrated with standard enterprise management tools.
### Processor Support
- **Microprocessor**: Intel Pentium III Xeon
- **CPU capacity**: 1-4 CPUs
- **Clock speed**: 500 MHz, 550 MHz
- **Primary caches**: 32KB [16KB data/16KB instruction] nonblocking
- **Secondary cache**: 512KB, 1MB, 2MB: unified, nonblocking, full-speed
- **System bus speed**: 100 MHz

### System Memory
- **Memory capacity**: 4GB EDO DRAM, ECC protected
- **Memory bandwidth**: 800MB/sec
- **Interleaving**: 4-way interleaved

### System Features
- **Operating system**: SGI Linux Environment with Red Hat Linux 6.0
- **CD-ROM drive**: 32X maximum 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**: 266MB/sec
- **I/O channels**: Two Peer 32-bit/33 MHz PCI channels
- **I/O slots**: 7 PCI slots [1 shared with ISA]
- **Internal storage channels**: 1 LVDs SCSI channel, 1 Narrow SCSI channel
- **External storage port**: 1 LVDs SCSI port
- **Internal storage capacity**: 6 Ultra2 SCSI hot swap drive bays
- **Keyboard/mouse port**: 2 PS/2, 8240A compatible
- **Serial ports**: 2 synchronous, RS-232C
- **Parallel port**: 1 IEEE 1284, 25-pin bidirectional

### Reliability, Availability, and Serviceability
- **Hot plug feature**: Hot plug internal drives; Independent power control for electronics bay and disks; Hot swap redundant power supplies
- **Redundant cooling**: Three fans for the electronics plus three for redundancy; Two fans for hard drive bay; Three fans for power supplies
- **Management feature**: Emergency management port

### Support and Warranty
- **Warranty**: One-year hardware warranty with next-business-day response
- **Software support**: 90 days advisory support [business hours]

### Dimensions and Weights
- **Tower**: 12.25" W x 18.06" H x 25.25" D
- **Rack-mount**: 7U (12.25") x 19" x 25.25"
- **Weight**: 85 lb minimum configuration