



SGI™ I450 Server

For Linux®, Windows NT®, and Windows® 2000

Features

- Space-saving 4U [seven-inch] chassis
- Scales to four Intel Pentium III Xeon processors
- Linux operating system support with SGI ProPack for Linux
- Windows NT and Windows 2000 certified
- Backed by SGI enterprise-ready Linux service and support

A Multiple Platform Company

SGI strives to provide customers with a choice of solutions that best meet their needs. For today's heterogeneous environments, companies need to access, manage, and share resources across a variety of operating systems and hardware platforms. SGI I450 offers customers the flexibility of running the operating system that best suits each computing environment. SGI I450 is certified to run the Linux, Windows NT, and Windows 2000 operating systems. Customers can choose to have Red Hat® Linux factory-installed by SGI.

Maximum Computing Power for Business-Critical Applications

SGI I450 is the right choice for environments that require superior performance, scalability, and reliability at industry-leading price points. In collaboration with Intel, SGI meets these requirements with industry-standard architectures. The server's high-performance computing power results from next-generation Intel® Pentium® III Xeon™ processors, high-speed memory, 10,000 RPM hot-swappable drives, 64-bit I/O, and 10/100 Ethernet NICs that can be upgraded to Gigabit Ethernet.

Overcome Space Constraints

The SGI I450 platform is ideal for data center customers that need maximized four-way system performance for running demanding business applications, implementing clustering solutions, or hosting active intranet, Internet, and e-commerce sites. With the latest performance, reliability, manageability, and serviceability features built into a space-saving, 4U [seven-inch] design, this server provides optimal computing power in high-density compute environments.

Maximum Uptime with Reliability and Availability

Server reliability is critical in today's competitive markets. Increased availability and reliability translate into tangible business benefits: improved productivity and faster time to insight. For maximized uptime, SGI I450 includes hot-swappable disk drives, redundant, hot-swappable power supplies and fans, and hot-pluggable PCI cards.

Industry-Leading Serviceability and Manageability

SGI worldwide enterprise-level support means that SGI I450 servers are ready for critical enterprise applications. For minimized impact on IT resources, a quick appraisal of server health can be made by visually checking the status LEDs for power, hard drives, fans, and interlocks. SGI I450 contains 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.



**SGI I450 Server
Technical Specifications**

<p>Operating System Support</p> <ul style="list-style-type: none"> • Red Hat 6.2 • Linux SuSe 6.2 • Microsoft® Windows NT 4.0, Windows 2000 <p>For most current list, see www.sgi.com/software/linux/tech_info.html</p>	<p>Reliability, Availability, and Serviceability</p> <ul style="list-style-type: none"> • Emergency management port • Hot-swap internal drives; hot-swap redundant power supplies and fans • Five fans for the electronics plus one redundancy
<p>Processor Support</p> <ul style="list-style-type: none"> • Microprocessor Intel Pentium III Xeon • CPU capacity 1–4 CPUs • Clock speed 700 MHz • Primary caches 32KB [16KB data/16KB instruction] nonblocking • Secondary cache 1MB, 2MB; unified, nonblocking, full-speed • System bus speed 100 MHz 	<p>Support and Warranty</p> <ul style="list-style-type: none"> • Warranty Three-year limited hardware warranty, year one with next-business-day response, years two and three parts-only • Software 90 days advisory support for Linux [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
<p>System Memory</p> <ul style="list-style-type: none"> • Capacity 4GB SDRAM, ECC protected • Bandwidth 1.066GB/sec 	<p>Dimensions and Weights</p> <ul style="list-style-type: none"> • Rack-mount 7.0" [4U] W x 17.5" H x 26.5" D • Tower 7" W x 19" H x 25.25" D • Weight 57 lb minimum configuration
<p>System Features</p> <ul style="list-style-type: none"> • CD-ROM drive 24X max. speed ATAPI CD-ROM drive preinstalled • Floppy drive 3.5" x .5" 1.44MB floppy disk drive preinstalled 	<p>Environmental and Regulatory</p> <ul style="list-style-type: none"> • Environmental [nonoperating] -40°C to +70°C • Environmental [operating] +10°C to +35°C • Electrical and power Three 350 W hot-swap power supplies [2+1 redundancy]; 115 V/60 Hz; 230 V/50 Hz • Regulatory Meets or exceeds the following requirements: <ul style="list-style-type: none"> - 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] <ul style="list-style-type: none"> - 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]
<p>Networking and Storage Capacity</p> <ul style="list-style-type: none"> • I/O bandwidth 933MB/sec peak • I/O channels One 64-bit Peer PCI channel running at 66 MHz One 64-bit Peer PCI channel running at 33 MHz One 32-bit Peer PCI channel running at 33 MHz • I/O slots 8 PCI slots • Internal storage 2 Ultra 160 SCSI channels 1 Wide LVDS SCSI channel 5 Ultra 160 SCSI hot-swap drive bays • 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 • Parallel port 1 IEEE 1284, 25-pin bidirectional port 	



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