

Silicon Graphics® 550 Visual Workstation with VPro™ Graphics

Silicon Graphics 550 Visual Workstation for Windows® Silicon Graphics 550L Visual Workstation for Linux®

A Scalable Graphics Solution Designed for Maximum Performance

The Silicon Graphics 550 visual workstation is designed to accommodate the most demanding power users in the CAD, digital content creation, and scientific visualization markets. As the high end of the Silicon Graphics workstation family for Windows and Linux, the 550 features advanced graphics processing, lightning-quick processing power, and industry-leading expansion. Offering the ultimate in technical, creative, and scientific tools for visualization, Silicon Graphics 550 incorporates a state-of-the-art Intel® architecture with Silicon Graphics subsystems to set a new standard for graphics performance on Windows and Linux operating systems. With additional 32-bit and 64-bit expansion slots, complete AGP Pro 4X compliance, and the latest in large storage capacity and memory expansion, this highperformance system provides power and flexibility in a reliable, cost-effective package.

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Features Silicon Graphics VPro graphics subsystem includes an OpenGL on a Chip™ implementation, accelerated geometry pipeline, and professional texture mapping capabilities	Benefits Provides unprecedented application and system performance: fully OpenGL® 1.2 conformant and accelerated.
Hardware-accelerated transform and lighting	Allows more realistic object behaviors and character animation, as well as significantly more complex 3D modeling. Frees up CPU for intensive computations
Single or dual Intel® Pentium® III Xeon™ processor configuration (840 chipset)	The Intel Pentium III Xeon processors provide advanced cache, advanced system buffering, and multiprocessing capabilities that provide significant performance and productivity gains to the customer. The processor's large advanced transfer cache allows large amounts of data to be stored locally and accessed quickly. The Intel 840 chipset also delivers high memory bandwidth. Its split-transaction system bus allows multiple processors to effectively share the system bus, increasing bus utilization and minimizing bus contention.
High-bandwidth 64-bit PCI slots	Provide a flexible expansion platform to accommodate the need for more specialized throughput-intensive peripherals and processes.
High-performance memory subsystem featuring dual memory controllers and Rambus dynamic random access memory [RDRAM]	RDRAM offers faster memory speeds for applications that require high performance and powerful multitasking, as well as increased memory access and system performance. The dual memory controllers provide simultaneous access and increased bandwidth [3.2GB/sec].
Flexible, intelligently designed system	Easy toolless access for upgrade,

customization, and expansion to meet growing needs for storage, memory,

System is ready to power on with the

Leverages SGI's enterprise experience

in global services: 90-day software and three-year hardware support including

first-year on-site warranty service for Linux and Windows NT 4.0.

operating system software professionally

installed and tested for system compliance. It offers the industry's first fully hardware-accelerated OpenGL graphics for Linux.

and graphics.

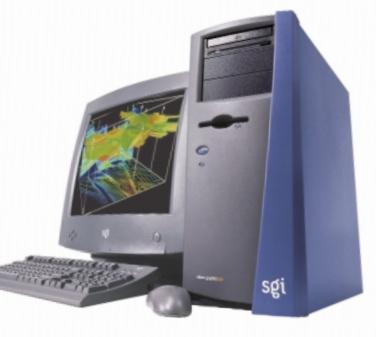
Preinstalled Windows NT® 4.0 or

graphics drivers

hardware and software

Red Hat® Linux 6.2 with OpenGL 1.2

Comprehensive one-stop support for both





Silicon Graphics 550 Visual Workstation Technical Specifications

Core Logic Chipset •Intel 840	Storage Options Internal	Relative Humidity Operating
Processor Support (Single or Dual) · 733 MHz Pentium III Xeon 256K on-chip cache · 800 MHz Pentium III Xeon 256K on-chip cache	- 9.1GB Ultral60 SCSI drive [7,200 RPM] - 18.2GB Ultral60 SCSI drive [7,200 RPM] External - 8X/4V0X DVD [available fall 2000] - 8X4X32X CD-RW	- 40°C, 20% - 40°C, 90% - 40°C, 90% - 10°C, 10% Nonoperating - 10% to 90% relative humidity Altitude - 10,000 ft operating - 40,000 ft nonoperating Vibration Operating - 516.2 Hz 0.38 mm [peak to peak] - 16.2-250 Hz 0.2G - X, Y, Z axis
Memory Capacity -128MB-2.0GB PC800 RDRAM	Bundled Software [Windows]	
System Graphics •1280x1024 at 75 Hz •Up to 2048x1536 at 60 Hz	Windows NT 4.0 Windows 2000 Professional PC Doctor [diagnostic software] McAfee VirusScan Internet Explorer	
Graphics Features Integrated transform and lighting, independent pipelined QuadEngine, 256-bit QuadPipe Rendering Engine, AGP 4X with Fast Writes, 350 MHz RAMDAC, high-speed memory interface, 256-bit 2D Rendering Engine, complete support for Microsoft® DirectX 7 and OpenGL features	•Adobe* Acrobat Reader* Bundled Software [Linux] •Red Hat Linux 6.2 •SGI ProPack for Linux* 1.3 Visual Workstation	
Storage and I/O Two external 5.25" drive bays One external 5.25" 48X CD-ROM [preinstalled] Three internal 3.5" hard drive bays One external 3.5" floppy drive [preinstalled] Integrated ATA66 controller	Physical Environment System -8.25° W x 19.25° H x 19.25° D -32 lb -19" monitor: 18.4" H x 18" W x 18.8" D -21" monitor: 19.3" H x 19.6" W x 18.6" D	Nonoperating (packed) -5-27.1 Hz 0.6G -27.1-50 Hz 0.4 mm (peak to peak) -50-500 Hz 2.0G -X, Y, Z axis
Communication Two 9-pin serial ports [16550 UART] One 25-pin parallel port Two Universal Serial Bus [USB] ports One PS/2 mouse port One PS/2 keyboard port On-board audio: Analog Devices AD1881 chip	Regulatory Agency	USĂ: UL, FCC ĬCFR 47 Part 15 Subpart BJ, FCC Telecomm. CFR 47 Part 68 Canada: CSA, CSA/NRTL, DOC Japan: VCCI Europe: CE Mark, CB, TUV Australia: C-Tick Korea: EMC
Display Options 19" color monitor 21" color monitor Silicon Graphics® 1600SW flat panel display	Ambient Temperature +10 to +35°C [operating] -20 to + 60°C [nonoperating]	•Taiwan: BCIQ
Expansion Options PCI Four 32-bit PCI slots Two 64-bit PCI slots Dual channel SCSI controller Networking On-board NIC 10/100Base-T: Intel 82559		



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