

Silicon Graphics® 230 Visual Workstation with VPro™ Graphics

Silicon Graphics 230 Visual Workstation for Windows®

Silicon Graphics 230L Visual Workstation for Linux®

Exceptional Graphics Performance at Unprecedented Prices

The Silicon Graphics 230 visual workstation provides professional graphics performance at a remarkably low price. Affording customers an unparalleled technical, creative, and scientific tool for visualization, Silicon Graphics 230 incorporates state-of-the-art Intel® architectures with Silicon Graphics visualization subsystems, setting a new standard for graphics application performance for Windows and Linux operating systems. As the entry system into the Silicon Graphics family of visual workstations, the 230 offers amazing reliability, flexibility, and performance at a truly unbelievable price. This combination of high-performance graphics and computing power for markets such as digital content creation, MCAD/MCAE, scientific visualization, and EDA has never been more accessible.

Features

Silicon Graphics VPro graphics subsystem includes OpenGL on a Chip™ implementation, accelerated geometry pipeline, and professional texture mapping capabilities

Aggressive system price

Integrated transform and lighting

Intel based system utilizing industry-standard architecture and components

Single Intel Pentium® III processor

Flexible, intelligently designed system

Preinstalled Red Hat® Linux 6.1 and OpenGL 1.2 graphics drivers

Preinstalled and certified Windows NT 4.0

Comprehensive one-stop support for both hardware and software

Benefits

Provides unprecedented application and system performance; fully OpenGL 1.2 conformant and accelerated

Delivers high-performance workstation graphics capabilities to technical and creative professionals at an extremely affordable price

Allows more realistic object behaviors and character animation, as well as significantly more complex 3D modeling

Incorporates renowned SGI graphics capabilities in a cost-effective, reliable, and flexible system that is easy to upgrade, maintain, and support

Provides superior computing performance featuring fast on-die 256K Level 2 Advanced Transfer Cache

Easy, toolless access for upgrade, customization, and expansion to meet growing needs for storage, memory, and graphics

System is ready to power on with the industry's first fully hardware-accelerated OpenGL graphics

System is ready for business applications and software with Windows NT 4.0 professionally installed and tested for system compliance

Leverages SGI's enterprise experience in global services: 90-day software and 3-year hardware support, including first-year on-site warranty service for Linux and Windows NT 4.0



Silicon Graphics 230 Visual Workstation Technical Specifications



Core Logic Chipset • Via Apollo Pro133A	Expansion Options • Five 32-bit PCI slots • Dual-channel SCSI controller [optional] • Creative Labs Ensoniq Card [standard on Linux OS-based systems]	Heat Dissipation • 1460.7 BTUs/hr
Processor Support • 1 667 MHz Pentium III 256K on-chip cache • 1 733 MHz Pentium III 256K on-chip cache	Networking • On-board NIC 10/100Base-T: Intel 82559	Ambient Temperature • Operating: +10 to +35°C • Nonoperating: -20 to +60°C
Memory Capacity • 128MB-1.5GB PCI33 synchronous DRAM [SDRAM]	Storage Options • 20GB IDE drive [7,200 RPM] • 9.1GB Ultra2 SCSI drive [7,200 RPM]	Relative Humidity • 10% to 90% [operating and nonoperating]
System Graphics • 1280x1024 at 75 Hz • Up to 2048x1536 at 60 Hz	Bundled Software [Windows] • Windows NT 4.0 • Windows 2000 Professional® • PC Doctor [Diagnostic Software] • McAfee VirusScan • Internet Explorer • Adobe® Acrobat Reader® *Available summer 2000	Altitude • 10,000 ft. operating • 40,000 ft. nonoperating
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	Bundled Software [Linux] • Red Hat Linux 6.1 • SGI ProPack for Linux™ 1.2—230 Edition	Vibration • Operating: 5–16.2 Hz 0.38 mm [peak to peak], 16.2–250 Hz 0.2G Direction: X, Y, Z axis • Nonoperating [packed]: 5–27.1 Hz 0.6G, 27.1–50 Hz 0.4 mm [peak to peak], 50–500 Hz 2.0G Direction: X, Y, Z axis
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 Dimensions • 8.25" W x 19.25" H x 19.25" D • 29 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	Regulatory Agency • USA: UL, FCC [CFR 47 Part 15 Subpart B], FCC Telecomm. CFR 47 Part 68 • Canada: CSA, CSA/NRTL, DOC • Japan: VCCI • Europe: CE Mark, CB, TUV • Australia: C-Tick • Korean: EMC • Mexico: NOM • Taiwan: BCIQ
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	Voltage and Frequency • Japan: 100 VAC 6.10 A • USA: 120 VAC 5.10 A • Europe: 230 VAC 2.66 A	
Display Options • 19" color monitor • 21" color monitor		



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