



Datasheet

Silicon Graphics® 330 Visual Workstation with VPro™ Graphics

Silicon Graphics 330 Visual Workstation for Windows®

Silicon Graphics 330L Visual Workstation for Linux®

A Scalable Graphics Solution Designed for Maximum Flexibility

The Silicon Graphics 330 visual workstation provides a scalable graphics solution at affordable prices. Customers are afforded maximum flexibility in tailoring the amount of processing power to their exact needs. Offering the ultimate in technical, creative, and scientific tools for visualization, the Silicon Graphics 330 incorporates a state-of-the-art Intel® architecture with Silicon Graphics visualization subsystems, setting a new standard for graphics performance on Windows and Linux operating systems. As the midrange system of the Silicon Graphics family of visual workstations, the 330 offers scalability, reliability, flexibility, and solid price/performance. High-quality graphics for digital content creation, CAD/CAE, scientific visualization, education, and government have never been more accessible.

Features

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

Hardware-accelerated transform and lighting

Single or dual Intel Pentium® III processor

Intel OS-based system utilizing industry-standard architecture and components

Flexible, intelligently designed system

Preinstalled and certified Windows NT® 4.0

Preinstalled Red Hat® Linux 6.2 deluxe and OpenGL 1.2 graphics drivers

Comprehensive one-stop support for both hardware and software

Benefits

Provides unprecedented application and system performance: fully OpenGL® 1.2 conformant and accelerated

Allows more realistic object behaviors and character animation, as well as significantly more complex 3D modeling; frees up CPU for intensive computations

Provides superior computing performance featuring fast on-die 256K Level 2 Advanced Transfer Cache; the scalable design and flexible architecture allow the customer to add only the amount of processing power needed

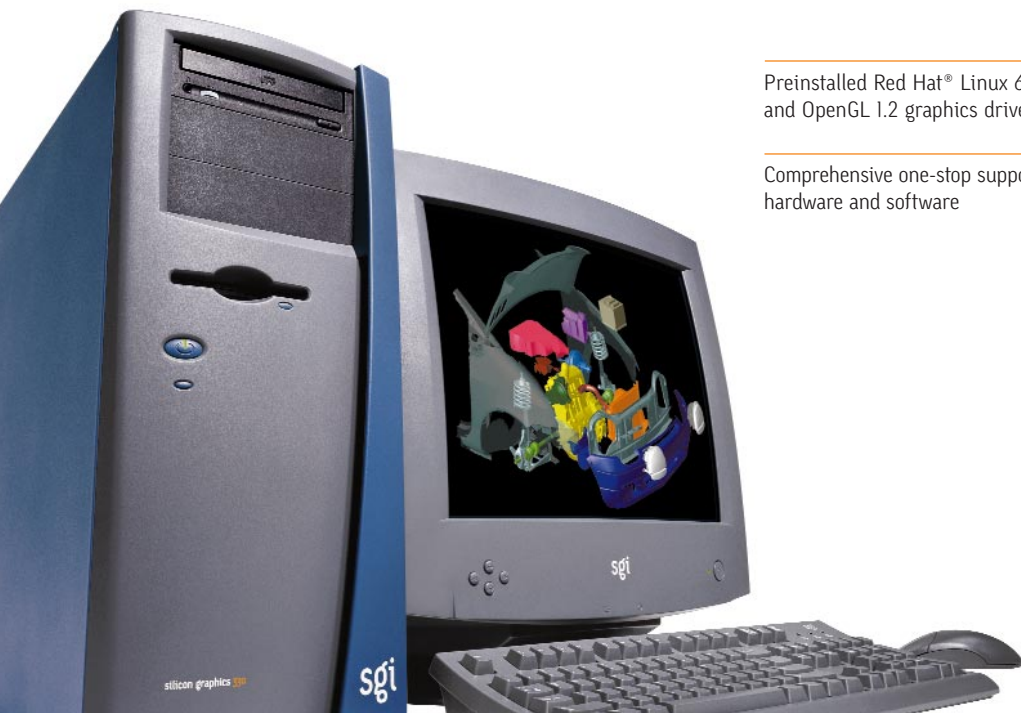
Incorporates renowned SGI graphics capabilities in a cost-effective, reliable, and flexible system that is easy to upgrade, maintain, and support

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

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

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

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 330 Visual Workstation Technical Specifications

| | | |
|--|---|--|
| Core Logic Chipset • Via Apollo Pro133A | Storage Options Internal • 9.1GB Ultra160 SCSI drive [7,200 RPM] • 18.2GB Ultra160 SCSI drive [7,200 RPM] External • 8X/40X DVD [®] • 6X4X32X CD-RW [®] | Relative Humidity • 10% to 90% [operating and nonoperating] |
| Processor Support [Single or Dual] • 733 MHz Pentium III 256K on-chip cache • 800 MHz Pentium III 256K on-chip cache | Bundled Software [Windows] • Windows NT 4.0 • Windows 2000 Professional [®] • PC Doctor [Diagnostic Software] • McAfee VirusScan • Internet Explorer • Adobe [®] Acrobat Reader [®] | Altitude • 10,000 ft [operating] • 40,000 ft [nonoperating] |
| Memory Capacity • 128MB–1.5GB PCI33 ECC registered SDRAM | Bundled Software [Linux] • Red Hat Linux 6.2 • SGI ProPack for Linux [™] 1.3—Visual Workstation 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 |
| System Graphics • 1280x1024 at 75 Hz • Up to 2048x1536 at 60 Hz | Physical Dimensions • 8.25" W x 19.25" H x 19.25" D • 31 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 Agencies • 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 • Korea: EMC • Mexico: NOM • Taiwan: BCIQ |
| 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 | Voltage and Frequency • Japan: 100 VAC 6.10 A • North America: 120 VAC 5.10 A • Europe: 230 VAC 2.66 A | |
| 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 | Heat Dissipation • 1,460.7 BTUs/hour | |
| 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 | Ambient Temperature • +10 to +35°C [operating] • -20 to +60°C [nonoperating] | |
| Display Options • 19" color monitor • 21" color monitor • Silicon Graphics [®] 1600SW flat panel display [®] | | |
| Expansion Options • Five 32-bit PCI slots • Dual-channel SCSI controller | | |
| Networking • On-board NIC 10/100Base-T: Intel 82559 | | |

[®]Available summer 2000



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