

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 6.2 and OpenGL 1.2 graphics drivers

Preinstalled and certified Windows NT 4.0 or Windows 2000 Professional

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 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



Silicon Graphics 230 Visual Workstation Technical Specifications



Core Logic Chipset V ¹ a A ¹ P ¹ 133A	Expansion Options F ¹ ie 32-b ¹ PCI 1 ¹	Heat Dissipation 1460.7 BTU Y ¹ r
Processor Support 1733 MHz Pe ¹ t ¹ n ¹ III 256K ¹ -b ¹ cab ¹ e 1800 MHz Pe ¹ t ¹ n ¹ III 256K ¹ -b ¹ cab ¹ e 1866 MHz Pe ¹ t ¹ n ¹ III 256K ¹ -b ¹ cab ¹ e	Networking O ¹ -b ¹ ard NIC 10/100Ba e-T: 1 ¹ f ¹ 82559	Ambient Temperature O ¹ era ¹ 5 ¹ +10 ¹ +35°C W ¹ a ¹ era ¹ 5 ¹ -20 ¹ +60°C
Memory Capacity 128MB-1.5GB PCI33 1 ¹ b ¹ a ¹ 1 ¹ DRAM [SDRAM] ¹	Storage Options 20GB IDE dr ¹ e [7,200 RPM] 30GB IDE dr ¹ e [7,200 RPM]	Relative Humidity 10% ¹ 90% ¹ 4 ¹ era ¹ 5 ¹ d ¹ a ¹ era ¹ 5 ¹
System Graphics 1280x1024 a ¹ 75 Hz U ¹ a ¹ 2048x1536 a ¹ 60 Hz	Bundled Software [Windows] W ¹ d ¹ w ¹ NT 4.0 W ¹ d ¹ w ¹ 2000 P ¹ r ¹ fe ¹ a ¹ d ¹ PC D ¹ c ¹ r ¹ [D ¹ a ¹ 5 ¹ t ¹ c ¹ S ¹ f ¹ ware] McAfee V ¹ r ¹ Sca ¹ I ¹ er e ¹ Ex ¹ r ¹ er Ad ¹ be ¹ Ac ¹ ba ¹ Reader	Altitude 10,000 f ¹ a ¹ era ¹ 5 ¹ 40,000 f ¹ a ¹ a ¹ era ¹ 5 ¹
Graphics Features 1 ¹ e ¹ a ¹ ed ¹ ra ¹ a ¹ r ¹ n ¹ a ¹ d ¹ 1 ¹ 5 ¹ d ¹ e ¹ de ¹ 1 ¹ d ¹ ed ¹ Q ¹ ade ¹ e ¹ , 256-b ¹ O ¹ adp ¹ e ¹ Re ¹ der ¹ 5 ¹ E ¹ e ¹ , AGP 4X w ¹ h ¹ Fa ¹ t ¹ Wr ¹ e ¹ , 350 MHz RAMDAC ¹ 5 ¹ e ¹ e ¹ d ¹ n ¹ a ¹ r ¹ e ¹ r ¹ face, 256-b ¹ 12D re ¹ der ¹ 5 ¹ e ¹ , 5 ¹ n ¹ e ¹ e ¹ a ¹ r ¹ a ¹ r ¹ M ¹ c ¹ a ¹ f ¹ t ¹ D ¹ rec ¹ X 7 a ¹ d ¹ O ¹ e ¹ GL fea ¹ t ¹ r ¹ e	Bundled Software [Linux] Red Ha ¹ L ¹ 4 ¹ x 6.2 SGI P ¹ a ¹ Pac ¹ a ¹ r ¹ L ¹ 4 ¹ x 1.3 V ¹ d ¹ W ¹ r ¹ a ¹ f ¹ Ed ¹ 1 ¹	Vibration O ¹ era ¹ 5 ¹ 16.2 Hz 0.38 n ¹ e ¹ a ¹ e ¹ a ¹ 16.2 250 Hz 0.2G D ¹ rec ¹ : X, Y, Z ax ¹ W ¹ a ¹ era ¹ 5 ¹ ac ed ¹ : 5 27.1 Hz 0.6G, 27.1 50 Hz 0.4 n ¹ , 1 e ¹ a ¹ e ¹ a ¹ 1, 50 500 Hz 2.0G D ¹ rec ¹ : X, Y, Z ax ¹
Storage and I/O Tw ¹ ex ¹ er d ¹ 5.25" dr ¹ e ba ¹ O ¹ e ¹ ex ¹ er d ¹ 5.25" 48X CD-ROM [re ¹ 1 ¹ d ¹ ed] Tw ¹ re ¹ e ¹ r ¹ d ¹ 3.5" ard dr ¹ e ba ¹ O ¹ e ¹ ex ¹ er d ¹ 3.5" k ¹ dr ¹ e [re ¹ 1 ¹ d ¹ ed] 1 ¹ e ¹ a ¹ ed ¹ ATA66 5 ¹ f ¹ e ¹ l ¹ l ¹ er	Physical Dimensions 8.25" W x 19.25" H x 19.25" D 29 ¹ b ¹ 19" a ¹ 1 ¹ r: 18.4" H x 18" W x 18.8" D 21" a ¹ 1 ¹ r: 19.3" H x 19.6" W x 18.6" D	Regulatory Agency USA: UL, FCC [CFR 47 Par ¹ 15 S ¹ b ¹ ar ¹ B], FCC Té ¹ e ¹ n ¹ , CFR 47 Par ¹ 68 Ca ¹ ada: CSA, CSA/NRTL, DOC Ja ¹ a ¹ : VCCI E ¹ e ¹ e ¹ CE Mar ¹ , CB, TUV A ¹ r ¹ a ¹ : C-T ¹ c K ¹ re ¹ a ¹ : EMC Mex ¹ e ¹ : NOM Ta ¹ wa ¹ : BCIQ
Communication Tw ¹ 9- ¹ e ¹ r ¹ d ¹ a ¹ r ¹ t ¹ [16550 UART] O ¹ e 25- ¹ 1 ¹ ard ¹ d ¹ a ¹ r ¹ t ¹ Tw ¹ U ¹ 1 ¹ er d ¹ Ser ¹ d ¹ B ¹ [USB] a ¹ r ¹ t ¹ O ¹ e PS/2 a ¹ e ¹ a ¹ r ¹ t ¹ O ¹ e PS/2 e ¹ b ¹ ard ¹ a ¹ r ¹ t ¹ O ¹ -b ¹ ard ¹ a ¹ d ¹ : A ¹ d ¹ 5 ¹ De ¹ l ¹ ce AD1881 b ¹ 1 ¹	Voltage and Frequency Ja ¹ a ¹ : 100 VAC 6.10 A USA: 120 VAC 5.10 A E ¹ e ¹ e ¹ : 230 VAC 2.66 A	Linux configurations only support up to 768MB of main memory Available December 2000
Display and Media Options Display 19" 5 ¹ k ¹ r ¹ a ¹ 1 ¹ r ¹ 21" 5 ¹ k ¹ r ¹ a ¹ 1 ¹ r ¹ Media 8x40x DVD ² 6x4x32x CD-RW		



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