

hp workstation xw8000



more muscle, greater expandability, hp dependability

The HP workstation xw8000 incorporates technologies that take Intel® architecture workstation performance to new levels. Configurable to meet your present and future needs, the HP xw8000 offers optional dual processing, the new Intel E7505 chipset and the latest I/O technologies along with a host of scalability, manageability and reliability features.

Choose from a broad range of ISV-certified 3D and 2D graphics solutions along with the operating system that best fits your requirements. The HP xw8000 is a workstation capable of delivering the speed, power and performance required to solve large design and analysis problems in real time.



One or two Intel® Xeon™ processors, plus Intel NetBurst micro-architecture

Intel E7505 chipset featuring 533-MHz front-side bus; AGP 8X graphics; dual-channel double data rate (DDR) SDRAM; and USB 2.0

Up to 12-GB PC2100 ECC registered DDR-266 memory with 4.2-GB/s bandwidth

Highest-performance disk subsystem built in; up to 730-GB of Ultra320 SCSI disk space (optional)

Gigabit Ethernet

Top independent software vendor (ISV) collaboration, performance tuning and hardware platform certification

HP leadership graphics programme

Choice of operating systems: Microsoft® Windows® 2000 Professional; Windows XP Professional; or Red Hat Linux (available early 2003)

Supports expansion for up to 5 internal HDDs, 2 optical disks and 5 PCI slots

benefits

Crank through massive amounts of real-time data with increased processing power and efficiency; ideal for the most demanding engineering and design applications

Process more information at higher speeds and increase your performance

State-of-the-art memory performance enhances your options and facilitates more demanding applications and complex designs

Store complex analyses or vast animation sequences and enjoy quick, reliable recall with unimpeded flow of information

Work more efficiently with cutting-edge, uninterrupted and reliable data communications

Benefit from software and hardware that guarantees compatibility, reliability and the best performance possible

A wider range of graphics choices, plus faster access to the best graphics in the industry at varying performance and price points

Choose the operating system that's right for you – preinstalled, preconfigured and fully supported

The hard disk space and performance you need to work with uncompressed digital video, large models and multiple designs



hp workstation xw8000

hp workstation xw8000 technical specifications

| processor | |
|-------------------------------------|----------------------------------|
| type | Intel Xeon processor |
| clock frequency | 2.4, 2.66, 2.8, 3.06 GHz |
| number of processors | 1 or 2 |
| chipset | Intel E7505 |
| system bus | 533 MHz |
| cache (on-chip) | |
| L2 | 512 KB |
| main memory | |
| bus bandwidth | 4.2 GB/s |
| RAM type | PC2100 ECC registered DDR-266 |
| capacity | 12 GB |
| memory slots | 6 DIMMs (3 pairs, dual-channel) |
| supported operating systems | |
| Microsoft® Windows® 2000 | |
| Professional | preinstalled |
| Windows XP Professional | preinstalled |
| Red Hat Linux | preinstalled* |
| *some localisations available | 1 |
| storage bays (8 bays total) | 5 internal 3.5-inch |
| | 2 external 5.25-inch |
| | 1 external 3.5-inch |
| internal storage devices (5 storage | |
| integrated Ultra ATA/100 EIDE co | |
| Ultra ATA/100 EIDE hard drives | 40 GB (7200 rpm) |
| (up to 2 devices, | 80 GB (7200 rpm) |
| 240-GB maximum) | 120 GB (7200 rpm) |
| | 120 OB (/ 200 Ipili) |
| Ultra320 SCSI hard drives | 18 GB (15K rpm) |
| (up to 5 devices, | 36 GB (10K or 15K rpm) |
| 730-GB maximum) | 73 GB (10K or 15K rpm) |
| | 146 GB (10K rpm) |
| SCSI device connectivity | |
| integrated Ultra320 SCSI has 5 cc | onnectors |
| connector 1 | 68-pin connector for 5 internal |
| | SCSI devices |
| connector 2 | (optional) 68-pin connector |
| | for external SCSI devices |
| removable media | |
| floppy drive | integrated 3.5-inch floppy drive |
| optical drive(s) (up to 2 devices) | 48X CD-ROM |
| , | 16X DVD |
| | 48X CD-RW |
| | 32X DVD/CD-RW Combo |
| | 4.7 GB DVD+RW |
| expansion slots | |
| PCI-X | 1 slot (64-bit/133-MHz) |
| | 2 slots (64-bit/100-MHz) |
| PCI | 2 slots (32-bit/33-MHz) |
| AGP 8X Pro 50 | 1 slot |
| integrated networking connector | RJ-45 |
| LAN data rate | 10/100/1000 Mb/s |
| integrated I/O | 10,100,1000 Mb/3 |
| serial interface 9-pin DIN | 1 port (rear) |
| parallel interface 25-pin DIN | 1 port (rear) |
| USB 2.0 | 6 ports (4 rear, 2 front) |
| IEEE OHCI 1394 | 2 ports (1 rear, 1 front) |
| | |
| | |

| audioAC97/16-bit stereo full duplexenvironmental specifications alitude- operating3048 m (10,000 ft) maxstorage4572 m (15,000 ft) maxtemperature- operating- operating+10° to +35°C (+50° to +95°F)- non-operating-40° to +70°C (+40° to +158°F)humidity- operating- operating15% to 80% relative @ 35°C (95°F)physical dimensions- heightwidth21 cm (8.3 inches)depth51.5 cm (20.3 inches)net weight- minimum configurationminum configuration18 kg (39.7 lb)power supply- power supplypower supply- power supplypower requirements input current5.0 A @ 100 Vline frequency50 Hz to 60 Hzmaximum power input692 Wmonitors- hp 1130pt 113021-inch flat-screen CRThp p93019-inch flat-screen CRThp p113021-inch flat-screen CRTleadership graphics - professional 2D- AVIDIA Quadro4 200 NVSVIDIA Quadro4 200 NVS4 display; 64-MB graphics memoryleadership graphics - aud display 2D- NVIDIA Quadro4 380 XGLVIDIA Quadro4 400 NVS4 display; 64-MB graphics memoryNVIDIA Quadro4 750 XGLdual display; 128-MB graphics memoryNVIDIA Quadro4 400 NVS4 display; 128-MB graphics memoryNVIDIA Quadro4 750 XGLdual display; 128-MB graphics memoryNVIDIA Quadro4 400 NVS4 display; 128-MB graphic | | |
|---|--------------------------------------|-----------------------------------|
| aliiude operating operating storage st | audio | AC97/16-bit stereo full duplex |
| - operating 3048 m (10,000 ft) max + storage 4572 m (15,000 ft) max temperature - operating +10° to +35°C (+50° to +95°F) - non-operating -40° to +70°C (40° to +158°F) humidity - operating 15% to 80% relative @ 35°C (95°F) physical dimensions height 44.9 cm (17.7 inches) width 21 cm (8.3 inches) depth 51.5 cm (20.3 inches) net weight minimum configuration 18 kg (39.7 lb) power supply power supply upput 450 W power requirements input current 5.0 A @ 100 V line frequency 50 Hz to 60 Hz maximum power input 692 W monitors hp 11825 18-inch flat-panel display hp 2025 20-inch flat-panel display hp 2030 19-inch flat-screen CRT hp 1130 21-inch flat-screen CRT NVIDIA Quadro4 200 NVS 4 display; 64-MB graphics memory leadership graphics - professional 2D NVIDIA Quadro4 400 NVS 4 display; 64-MB graphics memory leadership graphics - entry 3D NVIDIA Quadro4 380 XGL dual display; ATI FIRE GL 8800 dual display; 128-MB graphics memory AGP 8X leadership graphics - midrange 3D ATI FIRE GL 8800 dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D | environmental specifications | |
| - storage 4572 m (15,000 ft) max temperature - operating +10° to +35°C (+50° to +95°F) - non-operating -40° to +70°C (-40° to +158°F) humidity - operating 15% to 80% relative @ 35°C (95°F) physical dimensions height 44.9 cm (17.7 inches) width 21 cm (8.3 inches) depth 51.5 cm (20.3 inches) net weight minimum configuration 18 kg (39.7 lb) power supply power supply output 450 W power requirements input current 5.0 A @ 100 V line frequency 50 Hz to 60 Hz maximum power input 692 W monitors hp 11825 18-inch flat-panel display hp 2025 20-inch flat-panel display hp 2025 20-inch flat-panel display hp 2130 21-inch flat-screen CRT hp 3130 21-inch flat-screen CRT hp 3130 41-inch flat-screen CRT hp 3130 41-inch flat-screen CRT hp 400 4200 NVS dual display; 64-MB graphics memory leadership graphics - quad display 2D NVIDIA Quadro4 200 NVS 4 display; 64-MB graphics memory AGP 8X leadership graphics - entry 3D NVIDIA Quadro2 EX single display; 128-MB graphics memory: AGP 8X leadership graphics - midrange 3D ATI FIRE GL 8800 dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 750 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 980 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory: AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory; AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory; AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory; AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory; AGP 8X leadership graphics - high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory; AGP 8X | altitude | |
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| - non-operating -40° to +70°C (-40° to +158°F) humidity - operating 15% to 80% relative @ 35°C (95°F) physical dimensions height 44.9 cm (17.7 inches) width 21 cm (8.3 inches) depth 51.5 cm (20.3 inches) net weight minimum configuration 18 kg (39.7 lb) power supply power supply output 450 W power requirements input current 5.0 A @ 100 V line frequency 50 Hz to 60 Hz maximum power input 692 W monitors hp L1825 18-inch flat-panel display hp 2025 20-inch flat-panel display hp 2025 20-inch flat-panel display hp p30 19-inch flat-screen CRT leadership graphics – professional 2D NVIDIA Quadro4 200 NVS dual display; 64-MB graphics memory leadership graphics – entry 3D NVIDIA Quadro4 200 NVS 4 display; 64-MB graphics memory leadership graphics – entry 3D NVIDIA Quadro4 380 XGL dual display; 64-MB graphics memory AGP 8X leadership graphics – midrange 3D ATI FIRE GL 8800 dual display; 128-MB graphics memory AGP 8X leadership graphics – high-end 3D NVIDIA Quadro4 980 XGL dual display; 128-MB graphics memory AGP 8X leadership graphics – high-end 3D NVIDIA Quadro4 980 XGL dual display; 128-MB graphics memory AGP 8X leadership graphics – high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory AGP 8X leadership graphics – high-end 3D NVIDIA Quadro4 900 XGL dual display; 128-MB graphics memory ATI FIRE GL X1 dual display; | temperature | |
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HP PCs use genuine Windows® operating systems www.microsoft.com/piracy/howtotell

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