

HP Workstation xw4100



HP recommends Microsoft® Windows® XP Professional for Business

Think you can't afford an HP Workstation? Think again. The HP Workstation xw4100 delivers powerful workstation performance at a low cost with features like ECC memory, single or multi-display 2D and 3D OpenGL graphics choices, new Intel® Performance Acceleration Technology, and ISV certifications. Its Intel 875P chipset offers excellent bandwidth to keep up with a high-speed processor, thanks to its dual-channel memory architecture.

Collaboration between HP and key software and hardware application providers means you can expect the performance, compatibility, and reliability needed for mechanical computer-aided design and digital content creation applications. Software developers, power users, and financial planners will appreciate the ability to see and process large amounts of data while multi-tasking several applications. Engineered for innovators, the HP Workstation xw4100 allows you to achieve your business goals—affordably.

Features

- **Workstation features and benefits at a PC-like price:** The latest technology from Intel along with true workstation features such as ECC memory, 3D OpenGL graphics, serial ATA and SCSI drives, ISV certification, large memory capacity, performance I/O, and greater expandability—all at a low cost.
- **Intel Pentium® 4 2.8E, 3E, 3.2E, 3.4E and Extreme Edition processors:** Intel's newest version of the Pentium 4 has new instructions including advanced multimedia SSE, 1 MB of L2 cache, and the latest advances in prefetch and Hyper-Threading (HT) technology¹; the Extreme Edition* has a massive 2 MB of L3 cache and HT Technology.¹

- **Intelligently engineered:** Versatile, convertible minitower chassis easily goes from desktide to desktop solution by rotating the optical drive bays; convenient front I/O panel for headphones, mic, IEEE 1394, and 2 USB 2.0; optional solenoid chassis lock; tool-less access.
- **Hyper-Threading technology:**¹ Efficiently run multiple applications at once; speed processing tasks.
- **HP Performance Tuning Framework:** Our software framework will guide your system setup, allowing a "custom" configuration that best matches the workstation to user requirements. This customization enables the availability of the latest graphics cards and drivers and removes some memory restraints. Download available at no charge. For specific application support and download instructions, go to: www.hp.com/go/framework
- **Intel Performance Acceleration Technology (PAT):** Enhances system performance by reducing memory access latencies when using PC3200 memory.
- **800 MHz Front Side Bus:** Coupled with faster processor speeds, it offers increased performance for demanding workstation environments; 50% bandwidth/speed increase over previous-generation architectures.
- **Up to 4 GB ECC DDR memory:** Large memory capacity for more demanding applications and complex designs; allows more design options; greater system uptime and extra data integrity protection.
- **Independent software vendor (ISV) certification:** Relationships with top ISVs enable close collaboration, performance tuning, and hardware platform certification.

Unprecedented performance in a low-cost workstation



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Form factor	Convertible minitower
Operating systems options	Preinstalled Microsoft® Windows® XP Professional; Preinstalled Red Hat Enterprise Linux® WS 3.0, optional HP Installer Kit for Linux
Processor	Intel Pentium® 4 at 2.4 or 2.80A GHz (533 MHz Front Side Bus, no HT); 2.6, 2.8, 3.0, or 3.2 GHz (800 MHz FSB, HT ¹); or Intel Pentium 4 at 2.8E, 3E, 3.2 or 3.2E 4E GHz (800 MHz FSB, HT ¹ , 1 MB L2 cache); or Extreme Edition 3.4 GHz (800 MHz FSB, HT ¹ , 2 MB L3 cache)*
Front Side Bus	533 or 800 MHz
Chipset	Intel 875P
Memory	Up to 4 GB of PC2700 DDR-333 (non-ECC or ECC) or PC3200 DDR-400 ECC memory (4 DIMMs in 2 pairs, dual-channel architecture)
Expansion bays	3 external 5.25 inch bays, 1 external 3.5 inch bay, 2 internal 3.5 inch bays
Drive controllers	Integrated Ultra/ATA 100, integrated serial ATA, optional Ultra160 or Ultra320 SCSI, optional Ultra320 single channel RAID controller
Hard drive(s)	40, 80, 160, 250 GB Ultra ATA/100 drives (7200 rpm); 36, 73 (10K or 15K rpm), 146 GB (10K rpm) Ultra320 SCSI drives; or 80, 160*, 250 GB (7200 rpm), 36, 74 GB (10K rpm) SATA drives (SATA is Windows only)
Removable media	CD-ROM, DVD-ROM, CD-RW, CD-RW+DVD combo, DVD+RW 400i (Linux and Windows); 128* or 256 MB USB 2.0 drive key storage
Expansion slots	6 total: 1 AGP 8X, 5 full-length 32-bit 33 MHz PCI
Graphics	Entry 2D: NVIDIA entry 2D graphics card Professional 2D: NVIDIA Quadro NVS 280 (dual display), NVIDIA Quadro NVS 400 (quad display) Entry 3D: NVIDIA Quadro4 380 XGL, ATI FireGL T2-128 Midrange 3D: NVIDIA Quadro4 980 XGL*, NVIDIA Quadro FX 1100 High-end 3D: NVIDIA Quadro FX 3000 (256 MB)
Audio	AC'97/16-bit stereo full-duplex or optional Sound Blaster Audigy 2 ZS (requires PCI slot)
I/O ports and connectors	Front: headphone, microphone, and 2 USB 2.0; 1 optional IEEE 1394 Back: 4 USB; 2 standard serial ports; 1 parallel port; PS/2 keyboard and mouse; 1 RJ-45; 1 audio in, audio out/headphone; stereo microphone; 2 optional IEEE 1394
Communications	HP Gigabit LAN 10/100/1000 by Broadcom, optional 56K Lucent modem
Power	280 watts output
Security	Remotely lockable Smart Cover Lock; chassis intrusion sensor; USB ports that can be deactivated
Input devices	Easy-access PS/2 keyboard; choice of 2-button scroll mouse or 3-button mouse
Dimensions (h x w x d)	17.7 inch (45 cm) x 6.6 inch (16.8 cm) x 17.9 inch (45.6 cm)
Weight	35 lb (16 kg)
Monitors	HP P1230 22 inch CRT; HP L1925 19 inch flat panel, HP L2035 20.1 inch flat panel, HP L2335 23 inch flat panel
Warranty	Parts, labor, and onsite service (3-3-3 worldwide); 24 x 7 telephone support; terms and conditions may vary, certain restrictions apply

¹ Hyper-Threading (HT) Technology requires a computer system with an Intel Pentium 4 processor supporting HT Technology and an HT Technology enabled chipset, BIOS, and operating system. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/info/hyperthreading/> for more information including details on which processors support HT Technology.

* Not available in all regions

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For more information, visit www.hp.com/go/workstations

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