Uncompromised graphics performance and maximum expandability with AMD64

HP xw9400 Workstation

The HP xw9400 Workstation delivers high-end personal workstation performance for the compute-intensive environments of scientists, analysts, engineers, designers and artists. With two fully duplexed PCIe x16 graphics lanes, Dual Core AMD Opteron™ processors, and expandable I/O performance, the HP xw9400 meets the needs of serious computational and visualization tasks while helping to lower total cost of ownership. The HP xw9400 has a highly expandable dual-socket chassis featuring an efficient, easy to maintain, tool-less access design.

Implement a high-performance, power efficient architecture
Improve your workflow efficiency with power efficient 64-bit computing, supporting up to 64 GB of memory. Memory and I/O connect directly to the processors for high throughput performance.

Receive unmatched visualization capability
The HP xw9400's dual PCIe x16 graphics slots support two 3D graphics cards and enables NVIDIA SLI Technology, providing cost-effective, scalable visualization capability for demanding high-performance graphics solutions such as parallel rendering or compositing.

Highly scalable and expandable
The next generation of the NVIDIA nForce Professional chipset enables excellent workstation expandability. The HP xw9400 provides enough headroom to grow with your business, scaling to offer more performance, and storage space. I/O channels include 2 PCIe x8 and 2 PCI-X 100 slots, which can be configured as a single PCI-X 133 slot. Serial ATA and Serial Attached SCSI (SAS) controllers are integrated. The HP xw9400 also provides dual integrated Gigabit LAN.

Exclusive optimization tool
HP's Performance Tuning Framework takes the effort out of configuring your system for your chosen professional application. It automates locating the best driver for your software version, also offers system administration tools, and can even increase performance on some applications.

HP xw9400 Workstation

Form factor	Minitower, rack-mountable
Operating system	Genuine Windows XP Professional x64 Edition Genuine Windows XP Professional SP2 Red Hat Enterprise Linux® WS 4 (32/64-bit) HP Installer Kit for Linux for optional Red Hat Enterprise Linux® WS 3 or WS 4 Note : Vista Premium Ready
Product note	Not all Windows Vista™ features are available for use on all Windows Vista Capable PCs. All Windows Vista Capable PCs will run the core experiences of Windows Vista, such as innovations in organizing and finding information, security, and reliability. Some features available in premium editions of Windows Vista -- like the new Windows® Aero™ user interface -- require advanced or additional hardware. Check www.windowsvista.com/getready for details.
Processor	One or Two Dual Core AMD Opteron™ Processors 2210 / 2212 / 2214 / 2216 / 2218 / 2220SE (1.8 to 2.8 GHz)
Front Side Bus	1 GHz AMD HyperTransport™ technology
Chipset	NVIDIA nForce Professional 3600 and NVIDIA nForce Pro 2050
Memory	DDR-2 667 MHz ECC Registered DIMMs
Maximum Memory	Up to 64 GB
Hard drive(s)	Up to 5 SATA drives 80, 160, 250, 500, 750 GB (7200 rpm) or 80,160 GB (10000 rpm) or up to 5 SAS drives 146, 300 GB (10000 rpm) or 73, 146, 300 GB (15000 rpm) From 7200 to 15000 rpm
Expansion Bays	3 external 5.25" bays 5 internal 3.5" bays
CD-ROM/DVD	48X CD-ROM, 16X DVD-ROM, 48X CD-RW/DVD combo, 16X DVD+/-RW DL with Light Scribe Direct Disc Labeling
Drive Controllers	Integrated 6 channel SATA 3 Gb/s controller with RAID capability, integrated 8 channel SAS controller with RAID capability
Graphics	Professional 2D: NVIDIA Quadro NVS 285 (128 MB with NVIDIA TurboCache technology, dual display) Entry 3D: NVIDIA Quadro FX 560 (128 MB) Mid-range 3D: NVIDIA Quadro FX 1500 (256 MB) High-end 3D: NVIDIA Quadro FX 3500 (256 MB) NVIDIA Quadro FX 4500 (512 MB with opt. Quadro G-Sync Card), NVIDIA Quadro FX 5500 (1GB). All cards are optional and are all PCI Express. Up to 2 cards supported, must be identical.
Expansion slots	7 slots: 2 PCI Express(PCIe) x16 graphics slots, 2 PCIe x16 (x8 electrically) slots, 2 full-height PCI-X slots, 1 full-length PCI slot
Audio	Integrated High Definition audio with Jack Retasking capability, optional PCI Sound Blaster X-Fi Xtreme Music
Networking / communication	Integrated dual NVIDIA Gigabit 10/100/1000 LAN, optional Broadcom 5751 Gigabit PCIe NIC, optional Intel Pro/1000 GT Gigabit PCI NIC
I/O ports and connectors	Front: Headphone, microphone, 2 USB 2.0 and 1 IEEE 1394 Rear: 6 USB 2.0, 1 standard serial 9-pin port, 1 IEEE 1394, PS/2 keyboard and mouse, 2 RJ-45 to integrated Gigabit LAN, 1 audio in, 1 audio out, 1 mic in 2 USB 2.0 (internal)
Power	800 watts, wide-ranging, active Power Factor Correction
Input devices	HP Standard Keyboard (USB or PS/2) 2-button scroll mouse (USB optical or PS/2 mechanical) or 3-button mouse (USB optical) or USB SpaceMouse or USB SpaceBall or USB SpacePilot
Dimensions (W x D x H)	21.0 x 52.5 x 45.4 cm
Weight	Minimum configuration: 19 kg Maximum configuration: 24 kg
Warranty	3-year worldwide parts, labour and next business day onsite service Terms and conditions may vary, restrictions apply

Microsoft® Windows XP Professional

For more information, please visit www.hp.com/eur/workstations

HP xw9400 Workstation

Recommended accessories

nVidia Quadro FX4500

Industry-leading graphics technology with a revolutionary new architecture and a wide range of top-end performance features. Supports 512 MB ultra-fast GDDR3 memory for the most advanced design and visualisation applications.

Product number: EA762AA

nVidia SLI Graphics Connector

Need increased performance? Combine the power of two HP NVIDIA Quadro FX 4500 graphics cards with this SLI connector for scalable application performance on single or multiple high-resolution displays.

Product number: PP654A

HP 4 GB (1 x 4 GB) DDR2- 667 ECC Reg RAM

Serious workstation demands? This powerful memory enhancement provides all the additional memory you need to handle the most complex graphic or visualisation requirements.

Product number: EV284AA

HP SpacePilot USB 3D Input Device

The industry s first intelligent 3D motion controller, delivering all the functions you need, the second you need them. HP is the only vendor also offering a Performance Tuning Framework for simplified installation and uninterrupted productivity.

Product number: EF390AA

HP Remote Graphics Software

An advanced network display solution providing remote users with real-time access to desktop workstations and graphics. Innovative HP technology means visually true-to-original images and 3D workstation interactivity with low network consumption.

Product number: PY685AA