

HP Workstation c8000

Ideal for UGS PLM Solutions



Imagine a 64-bit workstation that brings two-way and four-way computing power to the desktop, supports the latest industry leading AGP 8X graphics and is compatible with your existing, trusted HP-UX and UGS PLM Solutions application environment. Now, imagine all of this performance in a lower cost, attractively designed workstation that's so quiet, it can integrate seamlessly into the most formal office setting.

Welcome to the HP Workstation c8000, an ideal complement for the UGS PLM Solutions' portfolio of MCAD solutions. The HP c8000 is designed to address the most demanding UGS PLM Solutions technical workloads in automotive, aerospace and heavy machinery. It has four times the processor and memory I/O bandwidth and 25 percent lower memory latency of previous generation PA-RISC workstations, and can improve performance for Unigraphics NX2 by more than 30 percent.

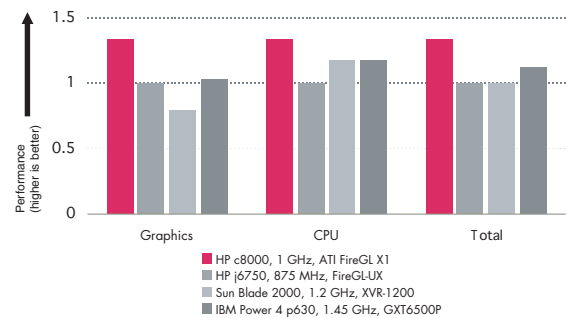
Features

- **Designed for office environments:** It's the quietest UNIX workstation available, producing just 4.2 bels of sound, and it's attractively designed, making it a stylish and quietly powerful workstation choice.
- **Breakthrough graphics performance:** Industry-standard AGP 8X graphics come to the UNIX workstation. You're no longer captive to antiquated, proprietary graphics cards that trail industry innovation and performance.
- **High-performance, low-latency chipset:** The HP zx1 chipset enables greater-than-clock-rate scaling for UGS PLM applications.
- **Full 64-bit architecture and OS:** The HP c8000 supports 16 GB of high-performance error checking and correct-

ing (ECC) SDRAM, designed to handle the largest workloads. Next-generation 4 GB DIMMs will increase the capacity to 32 GB.

- **Rich, pre-certified HP-UX solution stack:** Because it's binary-compatible with HP-UX 10.20, 11.0 and 11i applications, there's no need to upgrade your application infrastructure.
- **Up to 584 GB of SCSI storage:** Choose from four internal Ultra320 SCSI drives at either high-speed and high-capacity 10,000 rpm SCSI (146 GB maximum storage per drive) or extreme performance 15,000 rpm SCSI (73 GB maximum storage per drive).
- **Ready now, ready for the future:** Robust expansion capabilities of 2 processor sockets and 4 disk drive bays gives you the ability to grow and configure your system as needed. The HP c8000 supports either desk-side or rack kits that allow the system to be used as a personal resource or deployed into a high-performance compute cluster.

Performance leadership Unigraphics NX2



Extreme UNIX power, whisper quiet



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Operating systems options	HP-UX 11i TCOE (Technical Computing Operating Environment) HP-UX 11i MTOE (Minimal Technical Operating Environment)
Processor(s)	2-way PA-8800 module at 900 MHz or 1.0 GHz with 32 MB of L2 cache
Max. number of processors	4 (using 2 dual core PA-8800 processor modules; 2-way standard, 4-way optional)
Chipset	HP Scalable Processor Chipset zx1
Chipset bus performance	6.4 GB/s effective processor bandwidth, a maximum of 8.6 GB/s memory bandwidth and 80 ns memory access latency, 3.5 GB/s I/O bandwidth; independent internal data paths for sustained peak performance
Memory	Up to 16 GB PC2100 registered ECC DDR-266 (8 DIMM slots); Up to 32 GB when 4 GB DIMMs are available
Expansion bays	4 internal 3.5-inch HDD bays, 3 externally accessible 5.25-inch bays
Drive controllers	Integrated Ultra320 SCSI controller
Hard drive(s)	36, 73, 146 GB (10K rpm), 73 GB (15K rpm) Ultra 320 SCSI drives; maximum of 584 GB of internal storage
Removable media	DVD-ROM, CD-RW (up to 3 with SCSI disks)
Expansion slots	1 AGP-8X pro slot (150 watts max power including auxiliary power connector), 6 PCI slots: 4 full-length (1 64-bit/133 MHz PCI-X, 2 64-bit/66 MHz PCI-X, 1 64-bit/33 MHz PCI), 2 half-length (32-bit/33 MHz PCI)
Graphics	Professional 2D: HP fxe (1 display per card, max. 4) Entry-level 3D: ATI FireGL T2-128p (dual display capable) Mid to high-end 3D: ATI FireGL X1-256p (dual display capable)
Audio	16-bit stereo full-duplex – uses half-length slot
I/O ports and connectors	5 USB 2.0 ports (2 front, 3 rear), 2 9-pin DIN serial (rear), 1 RJ-45 port (rear). Optional: Firewire IEEE 1394 with 3 ports (2 rear, 1 internal)
Networking/communications	Integrated 10/100/1000 Mbps Base-T Ethernet, Wake-on-LAN
Power	650 watts maximum output
Acoustic properties	4.2 bels idle; 5.0 bels maximum operating
Input device	USB keyboard; USB 3-button mouse (scroll mouse optional)
Dimensions (h x w x d)	Tower configuration: 49 cm (19.3 inch) x 28.7 cm (11.3 inch) x 57.2 cm (22.5 inch) Rackable configuration: 20.3 cm (8 inch) x 42.4 cm (16.7 inch) x 57.2 cm (22.5 inch)
Weight	Minimum and maximum tower configuration: 22.5 kg (49.5 lb.) to 28.3 kg (62.5 lb.) Minimum and maximum rack configuration: 21.9 kg (48.3 lb.) to 27.8 kg (61.3 lb.)
Monitors	HP L1825 18-inch flat panel, HP L1925 19-inch flat panel, HP L2025 20-inch flat panel, HP P1230 22-inch CRT
Warranty	1 year parts, labor, and next-day on-site service, upgrades available to same-day service; 24x7 telephone support; terms and conditions may vary, certain restrictions apply

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