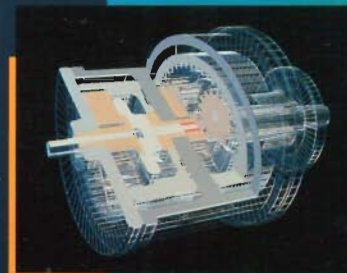


HP Apollo 9000 Models 400s and 433s



*Full-speed
power frees you
to work more
intuitively for
better, faster
results.*

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.



Full-speed power, plus flexible expandability.

HP Apollo 9000 Models 400s and 433s deliver up to 26 MIPS of highly advanced workstation performance in a compact, desk-side package. Functional power provides the kind of speed that will let your team members design more intuitively and test new products faster.

Part of the new HP Apollo 9000 family of workstation products, Models 400s and 433s are designed for graphics-intensive applications such as mechanical engineering, industrial design, simulation and scientific visualization.

These Series 400 workstations are the first to combine the innovation of Apollo with the quality and reliability of HP. Model 400s is based on the MC68030 processor, while Model 433s features the new MC68040 for integer performance increases of up to 120% and 9 times the floating point speed. Model 400s buyers can move up to the MC68040 processor with a simple, inexpensive upgrade kit.

Expand team capabilities with advanced options.

Flexible configurations give you the opportunity to tailor workstations according to your team's needs. Extensive networking options are available along with a wide range of mass storage devices.

HP offers the best X Windows graphics performance in the industry with highly versatile 10-plane (8 bit + 2 overlay) color systems for 2D applications. Advanced 3D wireframes, solids and animation graphics can be

HP Apollo 9000	Model 400s	Model 433s
System Specifications		
Central Processor	32-bit 50 MHz MC68030	32-bit 33 MHz MC68040
Floating Point	50 MHz MC68882 standard	On-chip floating point
Memory	8 Mbytes to 128 Mbytes ECC RAM	8 Mbytes to 128 Mbytes ECC RAM
Standard I/O Ports	HP-HIL, RS-232C, Audio, SCSI, Parallel (Centronics), Apollo keyboard	HP-HIL, RS-232C, Audio, SCSI, Parallel (Centronics), Apollo keyboard
Optional I/O Ports	HP-IB, two additional RS232C*	HP-IB, two additional RS232C*
Optional Backplane	ISA [†] or DIO-II [‡]	EISA or DIO-II [‡]
Graphics		
VRX Mono	High-resolution monochrome (1280 x 1024), 19" monitor	
VRX Color	Highly versatile, high-resolution color (1280 x 1024), 16"/19" monitors	
PersonalVRX	Affordable desktop CAD/CAE 3D color, (1280 x 1024), 16"/19" monitors	
TurboVRX [§]	High-performance 3D modeling & rendering system (1280 x 1024), 16"/19" monitors	
Mass Storage Options**		
Choice of Internal or External	330 or 660 Mbyte (formatted) SCSI Winchester hard disk CD-ROM drive (supporting ISO 9660 file system) DDS Digital Audio Tape Drive, capacity 1.3 GB per medium	
External only	Magneto Optic Drive, capacity 650 Mbytes per medium Exabyte 8mm Cassette Tape Drive, capacity 2.3 GB	
Networking Options		
LAN	IEEE 802.3/Ethernet interface w/ThinMAU and BNC "T" connector or AUI (jumper selectable); Apollo Token Ring - 12 Mbytes/second baseband; IBM Token Ring - 4 Mbytes/second local area network	
Protocols	X.25, SNA, RJE	
Operating System		
	HP-UX ^{††} operating system releases 7.0, 7.03, or 7.05 ^{‡‡} Domain/OS ^{§§} SR 10.2 + PSK	HP-UX operating system release 7.05 Domain/OS SR 10.3 + PSK

*Rev. 7.05 required for HP-UX. [†]Domain/OS only. [‡]HP-UX only. [§]Only supported on HP-UX system releases 7.03 or 7.05. [¶]Support for mass storage options varies by operating system. ^{††}The HP-UX operating system complies with the UNIX System V interface Definition 2, X/Open and POSIX specifications. ^{‡‡}Operating system release varies with graphics options and central processor. ^{§§}The Domain/OS operating system complies with the System V Interface Definition 2 and is a single operating system that includes UNIX System V.3, BSD4.3 and Aegis.

added with the PersonalVRX or TurboVRX graphics systems.

HP Visual User Environment, a revolutionary new user interface, lets you access all the power of the Series 400 with an easy, icon-driven graphical environment that everyone on your team will be able to use.

The productive power of over 3200 applications - right now.

The Series 400 workstations are the first capable of running either the HP-UX or the Domain/OS operating system. Object-code compatibility within MC680X0 workstations gives you over 3200 applications that can run on Series 400 right now. And that translates into uninterrupted team productivity with familiar applications and existing

databases - the kind of rapid results you can only get with HP.

Standards, reliability, quality. HP consistently delivers.

HP has always delivered quality, reliability and lasting value in workstation technology. One reason is consistently outstanding support and service for all HP products. Another reason is an overriding commitment to standards, protecting your investment in HP workstations - now and in the future.

There is a better way for your team to work faster and smarter.

For more information on the HP Apollo 9000 Series 400, call 1-800-752-0900 for the location of your nearest HP sales office. In areas outside of the U.S., contact your local HP sales office.