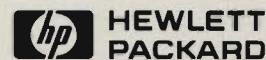


The HP 9000 Model 360 Workstation



Double the performance
with little change in price –
and *no* change in technology.

Start with HP's most popular workstation, double the performance, make little change to price and *none* to the technology and what do you have?

The HP 9000 Model 360 – the high-performance computer that forgot about high price and *doesn't* force you unwillingly into an entirely new technology.

Its immediate forerunner, the Model 330, has been one of HP's best-selling mid-range workstations – mechanical and electrical design, test and measurement, and general scientific and technical computation. As a member of the Motorola MC 68000 family of computers, it is heir to the tremendous base of hardware, operating systems and application software that run on this popular architecture.

Now the Model 360 continues this same tradition – with full object code compatibility. At virtually the same price. And *double* the performance.



The HP 9000 Model 360 – a state-of-the art HP workstation with the power and configurability to handle a wide variety of scientific and technical applications, including computation-intensive solids modelling like the design shown.

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

HP 9000 Model 360

Performance That Doesn't Compromise...

The Model 360 is based on the MC 68030 processor, the newest and most advanced Motorola chip yet. It has a fast 25 MHz clock rate and an equally fast 25 MHz MC 68882 floating point co-processor built in. In addition, the Model 360 has integrated memory management – 4 Mbytes of RAM memory located directly on the processor board with another 4, 8, or 12 Mbytes installable on a closely linked "daughterboard." This intimate coupling between memory and processor results in maximum processing speed and it does not degrade *even at maximum RAM!*

Taken together, these factors add up to a fast 4.5 to 5 million instructions per second (MIPS) or 210,000 double-precision floating point operations per second (Kflops). By comparison, the Model 330 is rated at 2.5 MIPS.

What does this mean to you? Just this – the Model 360 has *everything it takes* to handle your most demanding applications, making it truly fast and interactive – electrical engineering (such as circuit and printed circuit board design), 2D and 3D graphics (including finite element and solids modelling), scientific and laboratory analysis, or any of thousands of other technical or scientific applications.

... Price That Does.

Performance, however, is only half the story – it's performance *vs.* price that counts. That's where the Model 360 really shines – its price is only about \$20,000 for an average discless color system. That makes it less than *any comparable 68000-based workstation on the market*. With this kind of value, the Model 360 is a computing investment that's hard to pass up.



The Model 360 comes in specific configurations for CAE mechanical and electrical applications such as circuit and PC board design.

MC 68000 – The Reigning Standard in Workstations

Along with price and performance, the Model 360 enjoys something else that is critically important today – technological *stability*. Because of the widespreadness and maturity of 68000 technology, the Series 300 now has well over 600 software applications to choose from – everything from logic simulation to oil exploration to word processing – virtually any application you can name. Thus, tedious "porting" of software, expensive retraining of personnel and complex start-up procedures are a thing of the past – the applications are there and ready to run.



Graphics, Test, Laboratory – Equally At Home

The Model 360 is available in configurations designed specifically for measurement, graphics, or general scientific applications. A variety of displays and graphics subsystems is available for these applications, as well as a large selection of HP disc drives and other peripherals. The Model 360 runs on HP-UX, Hewlett-Packard's implementation of the industry-standard UNIX® operating system from AT&T, with both Berkeley and HP enhancements. HP plans to make the HP BASIC and HP Pascal operating systems available in the near future.

The Model 360 has built-in RS-232, HP-IB (IEEE 488), LAN, and DMA (Direct Memory Access) interfaces. Also available as options are the SCSI (Small Computer Systems Interface), High-Speed HP-IB (for fast disc storage), a DOS Co-processor Card for running MS®-DOS programs and, in the near future, a Floating Point Accelerator for even faster processing. Because of the location of RAM, a free backplane slot is available for these interfaces. An expander can be purchased to provide additional slots if needed.

The Quickest Path to Power: The Model 360 Upgrade.

If you're the current owner of an HP Model 330 workstation, there's even more good news – for about \$6,000, you can install a simple board kit that converts your Model 330 into a Model 360! This is the most power available for the least cost anywhere. In the future, HP will introduce additional MC 68030 models and upgrades – it's part of our ongoing commitment to the MC 68000 computer family.



The Hewlett-Packard Commitment

For over 45 years, Hewlett-Packard has been making products with an overriding commitment to quality, service and support. The result is that HP has one of the lowest "cost of ownership" ratios in the industry – DataPro Corporation has rated us Number 1 in overall customer satisfaction for the past six years. Part of this satisfaction comes from HP's commitment to "upgradability" – giving our customers a continual "growth path" into greater capability and power as their needs grow. Expect this commitment to continue with even newer members of the MC 68000 family of computers.

Call your local HP sales office for more information on the Model 360. It's a computer with the performance, the price and the technology you can't afford to pass up.

The Model 360 has configurations specially adapted to automating laboratory, test, and manufacturing processes.

Specifications

Industry Standards	
Operating System	UNIX System V Interface Definition, Issue 2, Volume 1
Database	HP SQL/300; compatible with IBM's Structured Query Language (SQL)
Networking	ARPA/Berkeley, TCP/IP, Ethernet IEEE 802.3, NFS
Graphics	Starbase Graphics Library (OSI/ISO CG-VDI), HP GKS (ANSI/ISO Graphical Kernel System)
Windowing Languages	X Window System FORTRAN 77, C, Pascal
Capacity	
Memory I/O	4 to 16 Mbytes of parity error-detecting RAM 1 DIO-II slot (8 more available with optional expanders), 4-slot VMEbus expander available
Disc Memory	4 Gbytes of virtual memory addressable
Central Processor Unit	
	25 MHz 68030 32-bit CPU chip, on-chip 256-byte cache, on-chip Paged Memory Management Unit
Floating Point Co-processor	
	25 MHz 68882 Floating Point Chip
Graphics	
	Supports wide range of Series 300 graphics subsystems from medium-resolution monochrome/color to high-resolution color solids modelling
Operating Environment	
Operating Temperature	0° to 55°C
Operating Humidity	5 to 95% relative humidity (non-condensing)
Operating Altitude	15,000 ft
Heat Dissipation	853 BTU/hr
Electrical Specifications	
Line Voltage	85 to 129 Vac @ 48 to 66 Hz, 187 to 250 Vac @ 48 to 66 Hz (switch selectable)
Maximum Power	250 Watts
Physical Specifications	
Weight	11.8 Kg
Height	130 mm
Width	325 mm
Depth	376 mm

UNIX is a registered trademark of AT&T in the U.S. and other countries.
MS-DOS is a registered trademark of Microsoft Corporation.

Technical data subject to change.

Easy access to advanced technology.

For more information, call your local HP sales office listed in your telephone directory or an HP regional office listed below for the location of your nearest sales office.

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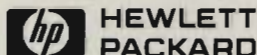
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