

The HP 9000 Model 345 workstation



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Excellent price/performance, abundant applications

Price/performance value is important in a workstation, and so is software availability. HP's commitment to the Motorola 68000-based workstation family provides you with continuous performance improvements, as well as access to over 1800 application software packages. The Model 345, an important part of this family, features object-code compatibility with existing and future MC 68000-based processors, protecting your investments in applications and training.

For solution needs ranging from EE and ME CAD to desktop publishing and CASE, the Model 345 offers you both the price/performance and the applications you're looking for.

The desktop computing features you demand

The new HP 9000 Model 345 is Hewlett-Packard's leading price/performance workstation, offering 12 MIPS of power. The Model 345 runs the standards-based HP-UX operating system*, which can be preloaded, along with a preconfigured X Windows environment, for instant productivity. The Model 345 is also the first desktop workstation based on the 50MHz version of Motorola's industry-proven MC68030 processor. This low-cost workstation offers an optional 200 Mbyte built-in disk and high-resolution graphics, while also supporting a broad range of 2D and 3D graphics subsystems. And because the Model 345 can operate effectively as a diskless node, you can actually lower your cost per workstation seat without lowering performance.

Technical data subject to change without notice.

* The HP-UX 7.0 operating system complies with the UNIX System V Interface Definition, X/Open and POSIX specifications, and will be fully compliant with OSF. UNIX is a registered trademark of AT&T in the U.S. and other countries.

Model 345

System Specifications

Central Processor	32-bit 50 MHz MC68030
Floating Point	50 MHz MC68882 standard
Memory	4 Mbytes to 16 Mbytes ECC RAM
Standard I/O Ports	HP-HIL, RS-232C, HP-IB, Audio
Optional I/O ports	SCSI, Parallel (Centronics), High-speed HP-IB

Graphics Subsystems

MH	High-performance monochrome (1280 x 1024), 19" monitor
C+	Mid-range color (1024 x 768), 16"/19" monitors
CH	High-performance color (1280 x 1024), 16"/19" monitors
SRX	Entry-level 3D (1280 x 1024), 16"/19" monitors
TurboSRX	High-performance 3D (1280 x 1024), 16"/19" monitors

Mass Storage Options

Internal	200 Mbyte (formatted) SCSI Winchester hard disk
External	Magneto Optic Drive, capacity 650 Mbytes per medium CD-ROM drive (supporting ISO 9660 file system) DDS Digital Audio Tape Drive, capacity 1.3 GB per medium SCSI and HP-IB Winchester hard disks from 80 to 660 Mbytes formatted capacity per mechanism

Networking Options

LAN	IEEE 802.3/Ethernet interface w/ThinMAU and BNC "T" connector and AUI (jumper selectable)
Protocols	X.25, SNA, RJE

Operating Environmental Range

Without internal disk	
Temperature	(0 degrees C to 55 degrees C), (32 degrees F to 131 degrees F)
Humidity	5% to 95% R.H. @ 40 degrees C, non-condensing
Altitude	0m - 4570m (15000 ft)
With internal disk	
Temperature	(5 degrees C to 40 degrees C), (41 degrees F to 104 degrees F)
Humidity	15% to 80% R.H. @ 40 degrees C, non-condensing
Altitude	0m - 3050m (10000 ft)

The quality you depend on

Hewlett-Packard offers a major contribution toward the longevity of your workstation investment. HP's renowned quality and reliability in hardware and software help reduce your downtime, decrease your maintenance costs, and increase your data integrity. Surveys by leading computer magazines and consultants rate HP #1 in both hardware and software quality, with a workstation failure rate of 1/3 the industry average. The Model 345's design, featuring extensive parts integration through ASICs, is a tribute to the reliability HP builds into its products. The Model 345 also offers improved reliability through error checking and correcting (ECC) RAM, which both finds and fixes memory failures. These are just some of

the ways HP demonstrates its commitment to providing you with quality, reliability and lasting value in workstation technology.

To find out more about how the HP 9000 Model 345 can deliver the low cost, applications and quality you're looking for, call 1-800-752-0900 for the location of your nearest Hewlett-Packard sales office.

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