

COMPAQ DESKPRO 386



COMPAQ[®]

It simply works better.

COMPAQ advances advanced technology

The COMPAQ DESKPRO 386™ Personal Computer is the most powerful desktop computer in the COMPAQ® line and the most advanced personal computer in the industry.

The COMPAQ DESKPRO 386 is the most advanced personal computer you can buy. It's optimized throughout to exploit its powerful CPU—the 32-bit, 16-MHz Intel® 80386 microprocessor. And no other truly compatible personal computer is engineered with all these speed and performance features. It:

- Runs the most popular personal productivity software at 16 MHz, *two to three times faster* than 8-MHz industry-standard personal computers.
- Uses the advanced 32-bit architecture of the 80386 microprocessor to deliver increased performance with today's software. It delivers minicomputer-level performance, which expands the potential of future applications such as advanced CAE, multiuser environments and artificial intelligence.
- Breaks the 640-Kbyte barrier imposed by MS-DOS® using the built-in support for the Lotus®/Intel®/Microsoft® (LIM) Expanded Memory Specification (EMS). It lets you utilize up to 8 megabytes of RAM so you can avoid the "memory full" message.

- Accepts up to 10 megabytes of high-speed 32-bit RAM without taking up an expansion slot; RAM is expandable to 14 megabytes.
- Accesses large amounts of data with high-performance 40-, 70- and 130-Megabyte Fixed Disk Drives as much as 50 to 150 percent *faster* than the 30-megabyte drives on most industry-standard PC's.
- Protects important data quickly and economically using the COMPAQ internal fixed disk drive backup option. It can back up and verify 40 megabytes of data on a single tape cartridge at the rate of one megabyte per minute—that's four times the capacity and twice the transfer rate of earlier COMPAQ systems.



Superior speed and performance

The fully compatible COMPAQ DESKPRO 386 raises the performance level of today's most complex applications, and the productivity level of today's most demanding users:

- Use coprocessor options to enjoy CAD/CAE performance at a fraction of the cost of dedicated technical workstations. We provide sockets for either a 16-MHz 80387 coprocessor or an 8-MHz 80287 coprocessor. The 80387 improves performance up to 70%, depending on the application, over the 80287 when running today's popular 16-bit programs.
- Gain the speed and high performance to work more efficiently with huge spreadsheets and databases using integrated packages like Framework II™ and Symphony™.
- Manage multiuser/multitasking environments more efficiently, especially using the XENIX® operating system.



y in a desktop computer

- Run a local area network with the COMPAQ DESKPRO 386 as a file server. It can support more users, and supply the higher speed that increases the network's overall performance.



Established compatibility and connectivity

Like the COMPAQ personal computers before it, the COMPAQ DESKPRO 386 is fully compatible with today's hardware and software. This accounts for its excellent connectability. Adding communications products like IRMA™, 3Com® EtherSeries™ and IBM® Token-Ring Network™ or a multiport board to any of the five available expansion slots allows you to:

- Communicate with mainframes, or with minicomputers.
- Operate as a high-performance file server in a local area network.
- Operate as a host computer in a multiuser environment.



Living color

Combined with the optional COMPAQ Enhanced Color Graphics Board, the COMPAQ Color Monitor can display 16 colors at once from a 64-color palette. Screen resolution of 640 x 350 gives users the high resolution they require. And this same expansion board also enhances the graphics resolution of the COMPAQ Dual-Mode Monitor in your choice of green or amber display.



The COMPAQ difference

It's attention to detail that's totally without compromise. You get built-in interfaces for peripherals. A shock isolation system for protecting storage drives. True compatibility and connectivity. A full one-year limited warranty. And service and support from a world-wide network of Authorized COMPAQ Computer Dealers. It's the difference that informed computer users recognize. And that's why they choose COMPAQ.

Specifications

Processor: 32-bit 80386; 16-MHz clock speed; 16-MHz 80387 and 8-MHz 80287 coprocessor sockets; real-time clock and battery.

Compatibility: Runs the most popular software and hardware products designed for 8-MHz 80286-based industry-standard PC's; 8/16-bit expansion bus compatible with 8-MHz 80286-based products.

Expansion Slots: 6 slots available in Model 40; 5 slots available in Model 70 and Model 130.

Memory: One megabyte of RAM at entry level, expandable to 10 megabytes (32-bit memory bus), 14 megabytes total.

Storage Devices: 1.2-Megabyte Diskette Drive (one standard, second optional); 360-Kbyte Diskette Drive (optional); 40-Megabyte Half-Height Fixed Disk Drive (average access less than 30 ms); 70-Megabyte Full-Height Fixed Disk Drive (average access less than 30 ms); 130-Megabyte Full-Height Fixed Disk Drive (average access less than 25 ms); internal 40-Megabyte Fixed Disk Drive Backup.

Standard Interfaces: Parallel printer and asynchronous communications.

Keyboard: COMPAQ Enhanced Keyboard.

Display Options: 13-inch diagonal COMPAQ Color Monitor; 12-inch diagonal green or amber COMPAQ Dual-Mode Monitor.

Display Controller Options: COMPAQ Enhanced Color Graphics Board; COMPAQ Video Display Controller Board.

Memory Options: 1-Megabyte and 4-Megabyte Memory Upgrade Kits; 1- to 2-Megabyte and 4- to 8-Megabyte 32-Bit Memory Expansion Boards; .5- to 2-Megabyte 16-Bit Memory Expansion Boards; 512K Memory Upgrade Kits.

Security: Locks in operating and non-operating mode to prevent unauthorized keyboard access; cover locks to protect internal components.

Other Options: MS-DOS/BASIC Version 3 diskettes and reference guides; COMPAQ DESKPRO 386 Technical Reference Guide; 16-MHz 80387 coprocessor; 8-MHz 80287 coprocessor; Asynchronous Communications/Parallel Printer Board; COMPAQ Enhanced Color Graphics Board Technical Reference Guide; 40-megabyte tape cartridge.

Physical Specifications: System unit—19.8" W x 6.4" H x 16.5" D, 50.3cm W x 16.2cm H x 41.9cm D; enhanced keyboard—19.25" W x 1.5" H x 8.3" D, 48.9cm W x 3.8cm H x 21.1cm D; dual-mode monitor—14.75" W x 10.25" H x 13.70" D, 37.5cm W x 26.0cm H x 34.9cm D; color monitor—13.9" W x 11.8" H x 15.0" D, 35.4cm W x 30.0cm H x 38.0cm D.

Standard Configurations

MODEL 40: One megabyte of random-access memory (RAM); one 1.2-Megabyte Diskette Drive; one 40-Megabyte Fixed Disk Drive; three 8/16-bit expansion slots available; three 8-bit expansion slots available.

MODEL 70: One megabyte of random-access memory (RAM); one 1.2-Megabyte Diskette Drive; one 70-Megabyte Fixed Disk Drive; two 8/16-bit expansion slots available; three 8-bit expansion slots available.

MODEL 130: One megabyte of random-access memory (RAM); one 1.2-Megabyte Diskette Drive; one 130-Megabyte Fixed Disk Drive; two 8/16-bit expansion slots available; three 8-bit expansion slots available.

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The system includes sockets for either a 16-MHz 80387 or 8-MHz 80287 coprocessor

Optional COMPAQ Color Monitor used with the COMPAQ Enhanced Color Graphics Board can display 16 colors at once from a palette of 64 colors; the board also supports a lightpen

Optional internal fixed disk drive backup stores up to 40 megabytes on a single tape cartridge

High-performance 40-, 70- and 130-Megabyte Fixed Disk Drives access data 50 to 150 percent faster than drives used on most industry standard 8-MHz PC's

The 32-bit 16-MHz 80386 microprocessor runs the same software that runs on industry-standard 16-bit 8-MHz 80286-based PC's 2-3 times faster

COMPAQ Enhanced Keyboard features 12 function keys, separate cursor control and numeric keypads, and LED indicators on the CAPS LOCK, NUM LOCK and SCROLL LOCK keys

1.2-Megabyte Diskette Drive is standard; the option to add a 360-Kbyte Diskette Drive insures maximum compatibility with the most popular data formats

The COMPAQ Expanded Memory Manager is a standard feature which offers 256 Kbytes of standard system RAM for applications that follow the Lotus/Intel/Microsoft (LIM) Expanded Memory Specification (EMS)