COMPAQ DESKPRO 386/20

COMPAQ®

It simply works better.

While other companies are just now introducing first-generation 80386-based personal computers, Compaq is introducing its second. The 20-MHz COMPAQ DESKPRO 386/20™ combines the most advanced technology with dramatic improvements to offer the most system performance you can buy in a desktop computer. With its increased clock speed, sophisticated cache memory architecture, higher-performance fixed disk drives and co-processor options, the COMPAQ DESKPRO 386/20 delivers up to 50% more speed than first-generation 80386 products. In fact, its performance rivals that of minicomputers. The first PC to offer an optional Weitek™ Coprocessor Board, it can give you the power of a dedicated engineering workstation at a fraction of the cost. It also breaks other barriers. For instance, with MS-DOS®/BASIC Version 3.3, as published by Compaq, it breaks the current 32-megabyte partition limit so that users can now have logical fixed disk drive partition sizes up to the drive's total capacity. Because the COMPAQ DESKPRO 386/20 works within the industry standard, it not only protects your current investment, it also allows room for future advancements, such as OS/2™. And it's brought to you by the established leader in 80386 technology.

✔ Get the most out of 20 MHz

The COMPAQ DESKPRO 386/20 uses a 32-bit 20-MHz 80386 microprocessor. To complement the processor, we built in a cache memory con-

troller with 32 Kbytes of high-speed static RAM. The controller works to handle memory more efficiently, raising performance levels to new heights. We then surrounded this technology with higher-performance fixed disk drives, disk caching capability, a higher-capacity tape backup option improved to assure faster, more reliable data protection, and more. Every advancement makes you that much more productive.

- 20-MHz Intel® 80386 technology with the advanced cache memory architecture runs your current software up to 50% faster than 16-MHz 80386-based PC's and up to 25% faster than other 20-MHz 80386-based PC's
- 20-MHz Intel 82385 Cache Memory Controller minimizes wait states and maximizes throughput
- Optional 20-MHz 80387 coprocessor is compatible with most 80287 coprocessor applications and runs floating-point-intensive software up to four times faster than 8-MHz 80287 coprocessors
- Optional Weitek Coprocessor Board with an 80387 Socket increases performance in calculation-intensive, engineering and scientific applications and is 2-3 times faster than the 20-MHz 80387 coprocessor
- Disk caching utility improves data access times on disk-intensive applications

✔ More megabytes than ever

The COMPAQ DESKPRO 386/20 has more memory and internal storage capacity than before. And both memory and storage options offer higher performance capabilities. For instance, most of our fixed disk drive options now feature a *1:1 interleave*, which provides a much faster data accessing process that reduces the time it takes your fixed disk drive to retrieve data.

- Choose from 60-, 130-, or 300-Megabyte High-Performance Fixed Disk Drive models, some with average access times of less than 20 milliseconds

The COMPAQ DESKPRO 386/20 is the world's most powerful personal computer.

- Optional 135-Megabyte Fixed Disk Drive Backup (Tape) can back up and verify 5 megabytes per minute
- 1 megabyte of 32-bit, high-speed RAM is standard and is expandable to 16 megabytes without using a slot
- COMPAQ Expanded Memory Manager supports Lotus®/Intel/Microsoft® (LIM) Expanded Memory Specification to access more than 640 Kbytes of RAM

A flexible tool

The COMPAQ DESKPRO 386/20 is a sophisticated solution for many different working environments. Use it to:

- Enhance your personal productivity while working on large spreadsheets or data bases
- Conveniently transfer data onto smaller formats with our optional internal 3½-inch diskette drive option
- Communicate with mainframes or minicomputers
- Operate as a high-performance file server in a local area network
- Manage multiuser/multitasking environments more efficiently
- Run complex CAD/CAE programs and perform detailed electronic modeling
- Take advantage of the new OS/2
- Enhance performance in artificial intelligence applications for more efficient decision-making

From the performance leader

The COMPAQ DESKPRO 386/20 comes from a long line of advanced, high-performance personal computers. Each is serviced and supported by our worldwide network of over 3000 Authorized COMPAQ Computer Dealers. Which is one more reason COMPAQ® personal computers *still* work better.

Specifications

Processor: *32-bit Intel 80386; 20-MHz clock speed; 82385 Cache Memory Controller with 32 Kbytes of high-speed static RAM; 20-MHz 80387 coprocessor socket, real-time clock and battery.*

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

Expansion Slots: *6 slots available in Model 60; 5 slots available in Model 130 and Model 300.*

Memory: *One megabyte of RAM standard, expandable to 16 megabytes total without using an additional expansion slot.*

Storage Devices: *5¼-inch 1.2-Megabyte Diskette Drive (one standard, second optional); 5¼-inch 360-Kbyte Diskette Drive (optional); 3½-inch 1.44-Megabyte Diskette Drive (optional); 60-Megabyte Half-Height Fixed Disk Drive (average access time less than 30 ms); 130-Megabyte Full-Height Fixed Disk Drive (average access time less than 20 ms); 300-Megabyte Full-Height Fixed Disk Drive (average access time less than 20 ms); 135-Megabyte Fixed Disk Drive Backup (Tape); 40-Megabyte Fixed Disk Drive Backup (Tape).*

Standard Interfaces: *Parallel printer and asynchronous communications.*

Keyboard: *COMPAQ Enhanced Keyboard.*

Display Options: *13-inch (33 cm) diagonal COMPAQ Color Monitor; 12-inch (30.5 cm) 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 32-bit Memory Module for expanding up to 2, 3, or 4 megabytes of RAM; 4-Megabyte 32-bit Memory Module for expanding up to 5, 9, or 13 megabytes of RAM; 4-Megabyte System Memory Board for expanding up to 8, 12, or 16 megabytes of RAM.*

Security: *Locks to prevent unauthorized keyboard access; cover locks to protect internal components.*

Other Options: *MS-DOS/BASIC Version 3 diskettes and reference guides; COMPAQ DESKPRO 386/20 Technical Reference Guide; 20-MHz 80387 coprocessor; Weitek Coprocessor Board with 80387 Socket; Asynchronous Communications/Parallel Printer Board; COMPAQ Enhanced Color Graphics Board Technical Reference Guide; 40-megabyte tape cartridge; 135-megabyte tape cartridge.*

Physical Specifications: *System unit-19.8"W × 6.4"H × 16.5"D, 50.3cmW × 16.3cmH × 41.9cmD; enhanced keyboard-19.25"W × 1.5"H × 8.3"D, 48.9cmW × 3.8cmH × 21.1cmD; dual-mode monitor-14.75"W × 10.25"H × 13.70"D, 37.5cmW × 26.0cmH × 34.8cmD; color monitor-13.9"W × 11.8"H × 15.0"D, 35.4cmW × 30.0cmH × 38.0cmD.*

Standard Configurations

Model 60: *One megabyte of random-access memory (RAM); Cache Memory Controller with 32 Kbytes of high-speed RAM; one 1.2-Megabyte Diskette Drive; one 60-Megabyte Fixed Disk Drive; four 8/16-bit expansion slots available; two 8-bit expansion slots available.*

Model 130: *Same as Model 60 except for: one 130-Megabyte Fixed Disk Drive with 1:1 interleave ESDI Controller; three 8/16-bit expansion slots available; two 8-bit expansion slots available.*

Model 300: *Same as Model 60 except for: one 300-Megabyte Fixed Disk Drive with 1:1 interleave ESDI Controller; three 8/16-bit expansion slots available; two 8-bit expansion slots available.*

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The system includes a socket for a 20-MHz 80387 coprocessor or a Weitek Coprocessor Board with 80387 Socket to speed up calculation-intensive, engineering and scientific applications

Optional COMPAQ Color Monitor used with the COMPAQ Enhanced Color Graphics Board can display up to 64 colors

Advanced cache memory controller complements the microprocessor, enhancing performance and offering the highest possible system performance in the industry

Optional internal tape backup devices store 135 megabytes or 40 megabytes on a single tape cartridge

High-Performance 60-, 130-, and 300-Megabyte Fixed Disk Drives offer average access times as low as 20 milliseconds

The 32-bit 20-MHz 80386 microprocessor runs current software up to 50% faster than 16-MHz 80386-based PC's

Up to 16 megabytes of 32-bit RAM are available without using an additional expansion slot

The COMPAQ Expanded Memory Manager (CEMM) is a standard feature which supports the Lotus/Intel/Microsoft (LIM) Expanded Memory Specification to break the 640-Kbyte barrier

5¹/₄-inch 1.2-Megabyte Diskette Drive is standard, protecting your software investment; optional 3¹/₂-inch 1.44-Megabyte Diskette Drive and 5¹/₄-inch 360-Kbyte Diskette Drive offer media flexibility