

Mike Sears

COMPAQ DESKPRO 386/25



COMPAQ

It simply works better.

Introducing the highest-performance personal computer in the world

Compaq, the leader in 80386 technology, extends the performance and capabilities of 80386-based personal computers. The 25-MHz COMPAQ DESKPRO 386/25 combines the most advanced microprocessor ever made by Intel® with Compaq Flexible Advanced Systems Architecture, to give more 80386 power than ever before.

The heart of the COMPAQ DESKPRO 386/25 is a sizzling 32-bit 25-MHz 80386 microprocessor—the fastest Intel 386* chip in the world. Combine that with other high-performance components, such as a 25-MHz cache memory controller with 32 Kbytes of high-speed static memory, and you've got a whole new definition of high-performance personal computing.

Compaq surrounds the high-speed microprocessor with Compaq Flexible Advanced Systems Architecture. Developed by Compaq, FLEX Architecture utilizes separate memory and peripheral buses combined

with an advanced memory caching scheme and high-performance subsystems to optimize total system performance. The result is performance that is up to 60% faster than non-cache 20-MHz 80386-based personal computers.

Along with all of this power, Compaq gives you total system flexibility. Maximum storage and expansion options let you configure the COMPAQ DESKPRO 386/25 for your specific needs. Add up to 1.2 gigabytes of fixed disk drive capacity with 300-/600-Megabyte Fixed Disk Drive Expansion Units. Choose from specialized options like the Weitek™ Coprocessor, which gives you 2-3 times the performance of an 80387.

You'll get all this only from Compaq, the proven leader in 80386 technology.

More memory, more storage

The COMPAQ DESKPRO 386/25 features memory and internal storage capacity for higher performance capabilities. Memory is expandable up to 16 MB. Plus the COMPAQ DESKPRO 386/25 fixed disk drives have fast access times, incorporating a 1:1 interleave and a forward-reading buffer to further reduce the time it takes to retrieve data.

- 1 megabyte of 32-bit high-speed RAM is standard and expandable to 16 megabytes without using an additional expansion slot
- Standard 5¼-inch 1.2-Megabyte Diskette Drive and optional 3½-inch 1.44-Megabyte or 5¼-inch 360-Kbyte Diskette Drive allow a choice of media formats
- Choose from high-performance 300- or 110-Megabyte Fixed Disk Drives, with average access times as low as 20 milliseconds
- Add up to 1.2 gigabytes of fixed disk drive capacity with 300-/600-Megabyte Fixed Disk Drive Expansion Units for large storage requirements including networking and multi-user applications.
- Break the 32-MB fixed disk drive partition limit with MS-DOS Version 3.3 as published by Compaq



*Hereafter referred to as 80386 and 80387 respectively.

Personal computer



Picture perfect VGA

Use the high-performance, VGA-compatible COMPAQ Video Graphics Controller Board with either the COMPAQ Video Graphics Color Monitor or Monochrome Monitor to enhance the capabilities of the COMPAQ DESKPRO 386/25.

- The COMPAQ Video Graphics Controller Board provides up to 50% faster screen updating than IBM® PS/2™ Video Graphics Array
- Smaller, square pixels plus non-interlaced scanning and analog display on both monitors insure more pleasing colors, more gray shades and more precise graphics



Customized computing

COMPAQ DESKPRO 386/25 is simply the most advanced solution for any working environment, including those using MS-DOS®, Microsoft® Windows/386 Presentation Manager, Microsoft Operating System/2 Standard Version 1.0 from Compaq, UNIX® or XENIX®. Tailored especially to your needs, it can:

- Run complex CAD/CAE programs and perform detailed solids modeling
- Operate as a high-performance file server in a local area network
- Manage multiuser/multitasking environments faster and more efficiently
- Enhance performance in artificial intelligence applications for more efficient decision making
- Optimize your personal productivity while working on financial or statistical analysis
- Communicate with mainframes or minicomputers



A family tradition

The COMPAQ DESKPRO 386/25 is the latest addition to the COMPAQ line of personal computers, each of which has set the high-performance standard in its class. The COMPAQ DESKPRO 386/25, like all high-performance COMPAQ personal computers, is supported by a worldwide network of Authorized COMPAQ Computer Dealers.

Specifications

Processor: 32-bit 25-MHz Intel 80386; 25-MHz 82385 Cache Memory Controller with 32 Kbytes of high-speed 25-ns static RAM; 25-MHz Intel 387* and Weitek coprocessor sockets; real-time clock/calendar and battery.

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

Expansion Slots: 6 slots available in both Model 300 and Model 110.

Memory: One megabyte of high-speed RAM standard, expandable to 16 megabytes total without using an additional expansion slot; COMPAQ Expanded Memory Manager (CEMM) supports the Lotus®/Intel/Microsoft Expanded Memory Specification (EMS).

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); 300-Megabyte Full-Height Fixed Disk Drive (average access time less than 20 ms); 110-Megabyte Half-Height Fixed Disk Drive (average access time of 25 ms); 300-/600-Megabyte Fixed Disk Drive Expansion Unit and additional 300-Megabyte Full-Height Fixed Disk Drive (average access time less than 20 ms); 135-Megabyte Fixed Disk Drive Tape Backup (optional); 40-Megabyte Fixed Disk Drive Tape Backup (optional).

Standard Interfaces: Parallel printer and asynchronous communications.

Keyboard: Enhanced Keyboard.

Display Options: 14-inch (35.5cm) COMPAQ Video Graphics Color Monitor; 12-inch (30.5cm) COMPAQ Video Graphics Monochrome Monitor; 12-inch (30.5 cm) green or amber COMPAQ Dual-Mode Monitor.

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

Memory Options: 1-Megabyte 32-bit Memory Module; 4-Megabyte 32-bit Memory Module; 4-Megabyte System Memory Board for expanding up to 16 megabytes of RAM.

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

Other Options: 25-MHz 80387 coprocessor; Weitek Coprocessor; Asynchronous Communications/Parallel Printer Board; MS-DOS/BASIC Version 3.3 diskettes and reference guides and Microsoft Operating System/2 Standard Version 1.0 from Compaq; COMPAQ DESKPRO 386/25 Technical Reference Guide; COMPAQ Video Graphics System Technical Reference Guide; 135-megabyte tape cartridge; 40-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; Video Graphics Color Monitor—13.8" W × 14.1" H × 14.6" D, 35.0cmW × 35.7cmH × 37.0cmD; Video Graphics Monochrome Monitor 11.7" W × 10.2" H × 12.6" D, 29.8cmW × 26.0cmH × 32.0cmD; dual-mode monitor—14.75" W × 10.25" H × 13.70" D, 37.5cmW × 26.0cmH × 34.8cmD.

Standard Configurations

Model 300: One megabyte of random-access memory (RAM); Cache Memory Controller with 32 Kbytes of high-speed RAM; one 1.2-Megabyte Diskette Drive; one 300-Megabyte Fixed Disk Drive with multipurpose 1:1 Interleave Buffered ESDI Fixed Disk Drive Controller Board; four 8-/16-bit expansion slots available; two 8-bit expansion slots available.

Model 110: One megabyte of random-access memory (RAM); Cache Memory Controller with 32 Kbytes of high-speed RAM; one 1.2-Megabyte Diskette Drive; one 110-Megabyte Fixed Disk Drive; four 8-/16-bit expansion slots available; two 8-bit expansion slots available.

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Optional COMPAQ Video Graphics Color or Monochrome Monitor used with the COMPAQ Video Graphics Controller Board provides VGA graphics up to 50% faster than IBM PS/2

Optional 25-MHz 80387 and Weitek Coprocessors increase the performance of calculation-intensive, engineering and scientific applications

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

The system continues to enhance industry-standard architecture while allowing for multitasking or multi-user operating systems like Microsoft Windows/386, MS OS/2 and UNIX/XENIX

The 32-bit 25-MHz 80386 microprocessor runs current software up to 60% faster than non-cache 20-MHz 80386-based PC's

COMPAQ Flexible Advanced Systems Architecture optimizes the high performance of the microprocessor by combining a 25-MHz cache memory controller with 32-bit memory and 8-/16-bit peripheral buses that operate concurrently to maintain complete industry-standard software and hardware compatibility

5¹/₄-inch 1.2-Megabyte Diskette Drive protects your software investment, while optional 3¹/₂-inch 1.44-Megabyte Diskette Drive and 5¹/₄-inch 360-Kbyte Diskette Drive offer media flexibility

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

High-performance 300- or 110-Megabyte Fixed Disk Drive with 1:1 interleave and average access times as low as 20 milliseconds

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