

COMPAQ DESKPRO 386/20e



COMPAQ

It simply works better.

Advanced 386 power and performance increasingly sophisticated needs of the 20

The 20-MHz COMPAQ DESKPRO 386/20e Personal Computer delivers 386 technology to sophisticated users who have outgrown 286-based machines. It integrates the full speed and power of the 386 microprocessor with an advanced systems architecture, cache memory, high-performance subsystems and powerful built-in features. All in a sleek design that gives you more computer in less space—from the leader in 386-based personal computers.

The COMPAQ DESKPRO 386/20e runs the world's largest library of popular business productivity software as well as applications that specifically take advantage of the 386 chip. This gives you the flexibility to work in today's and tomorrow's applications under MS-DOS® as well as in multitasking environments such as Microsoft® Operating System/2, Microsoft Windows/386 and XENIX®.

The COMPAQ DESKPRO 386/20e is the ideal productivity tool for people who rely on a PC extensively to work on a variety of applications. It delivers optimal 386 performance to handle spreadsheets, databases, word processing,

CAD/CAE, project management, desktop publishing and other applications.

Moreover, it does all this while protecting your investment in software, hardware, support and training.

Performance by design

High performance has always been a passion at Compaq. The COMPAQ DESKPRO 386/20e is no exception. Here's why:

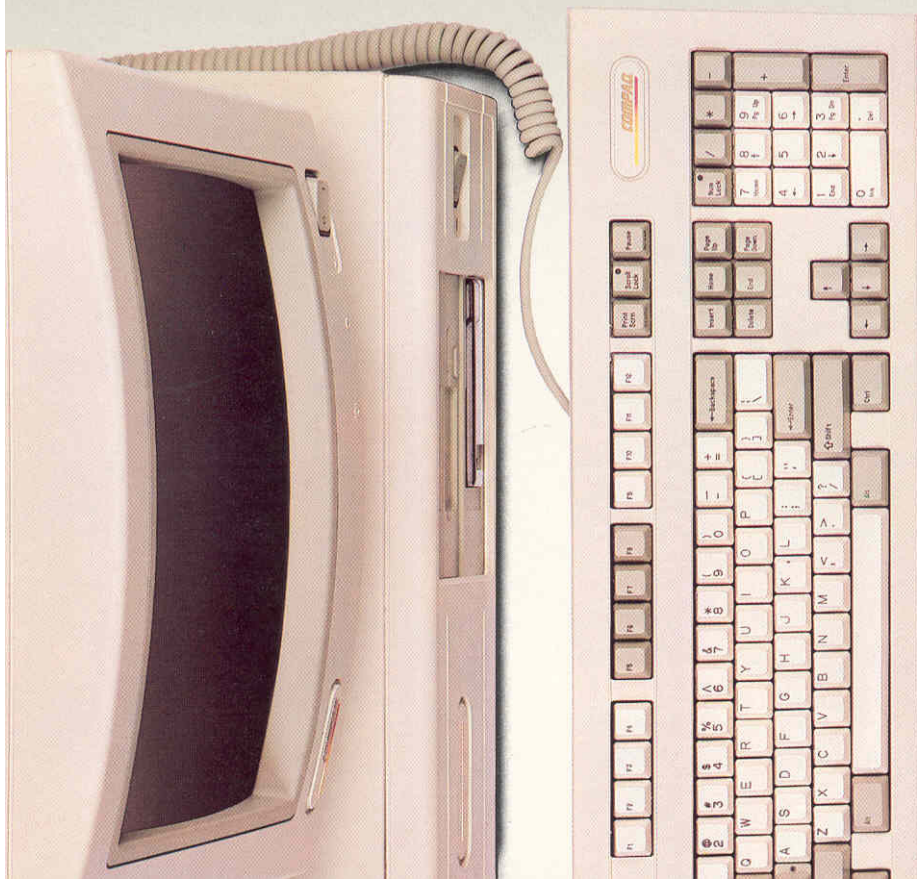
- 20-MHz Intel 386™ microprocessor with cache memory controller runs software 50% faster than 16-MHz and 25% faster than 20-MHz, non-cache 386-based PC's
- COMPAQ Flexible Advanced Systems Architecture uses separate buses for memory and peripherals, optimizing system performance while maintaining compatibility with industry-standard peripherals
- Integrated VGA graphics offer innovative performance features that speed up text scrolling and graphic display up to 50% over other VGA offerings
- Optional 20-MHz Intel 387™ or Weitek 3167 coprocessor speeds calculations and floating-point-intensive applications

A capacity for work

The COMPAQ DESKPRO 386/20e takes full advantage of its 386 performance by surrounding the processor with high-performance, high-capacity memory and storage subsystems.

- Room for four internal storage devices for maximum configuration flexibility
- Select from 110- or 40-MB high-performance Fixed Disk Drives with average access times less than 25 and 29 milliseconds, respectively. Both feature disk caching and an integrated 1:1 interleave controller
- 5¼-inch 1.2-MB diskette drive standard. Optional 5¼-inch 360-Kbyte or 3½-inch 1.44-MB diskette drives
- Internal high-speed 135-MB and 40-MB Fixed Disk Drive Backup (Tape) options protect data
- One megabyte of high-speed 32-bit memory is standard, expandable to 16 megabytes

*The COMPAQ
DESKPRO
386/20e is the
optimal solution
for the growing
needs of demanding
286 PC users.*



designed to fit the 86 user

- Five expansion slots—four industry-standard slots work with thousands of expansion boards, giving you room to grow. One additional high-speed 32-bit slot enables you to expand memory to 16 megabytes
- COMPAQ Expanded Memory Manager supports Lotus/Intel®/Microsoft (LIM) to access memory above the 640K barrier



First-class amenities

The streamlined design of the COMPAQ DESKPRO 386/20e employs surface mount technology to give you more workspace. But in giving you that, we didn't leave out any of the advanced features you've come to expect from COMPAQ personal computers.

- VGA graphics are integrated on the system board, keeping your slots free for other uses
- An auxiliary input interface for a mouse or other pointing device is standard, along with the interfaces you expect—parallel and high-speed asynchronous (serial) communications that connect to impact printers, modems, page printers, plotters and other devices
- Power-on password prevents unauthorized use, and a keyboard password temporarily disables the keyboard without turning off the system
- Power switch is on the front of the unit for easier access



Unmatched quality

No one knows more about high-performance 386-based personal computing than Compaq. And no one knows more about quality. That's why COMPAQ personal computers consistently earn the highest performance and quality ratings from computer experts.

High-performance PC's are nothing without high-performance dealers. Compaq has a worldwide network of over 3,000 dealers who can help you build a range of productivity solutions around COMPAQ products. More importantly, they'll be there to provide complete service and support.

Specifications

Processor: 32-bit Intel 386; 20-MHz clock speed; 82385 Cache Memory Controller with 32 Kbytes of high-speed static memory; socket for either a 20-MHz Intel 387 or Weitek 3167 coprocessor; 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: 4 industry-standard slots and one additional high-speed, 32-bit memory expansion slot available in all models.

Memory: 1 megabyte of memory standard, expandable to 16 megabytes using the high-speed, 32-bit expansion slot.

Storage Devices: 5¹/₄-inch 1.2-Megabyte Diskette Drive (one standard, second optional); 5¹/₄-inch 360-Kbyte Diskette Drive (optional); and 3¹/₂-inch 1.44-Megabyte Diskette Drive (optional). Other options include: 110-Megabyte Half-Height Fixed Disk Drive (average access time less than 25 ms); 40- or 20-Megabyte Half-Height Fixed Disk Drive (average access time less than 29 ms); 135-Megabyte Fixed Disk Drive Backup (Tape); 40-Megabyte Fixed Disk Drive Backup (Tape).

Standard Interfaces: Video Graphics Controller, Auxiliary Input (mouse), Parallel Printer and high-speed Asynchronous (serial) Communications.

Keyboard: Enhanced Keyboard.

Standard Graphics: Compaq Video Graphics Controller supports VGA, EGA & CGA standard graphics.

Display Options: 14-inch (35.6 cm) diagonal COMPAQ Video Graphics Color Monitor; 12-inch (30.5 cm) diagonal COMPAQ Video Graphics Monochrome Monitor.

Display Controller Options: COMPAQ Video Expansion Connector (on the Memory Expansion Board). COMPAQ Video Expansion Connector routes VGA signals to higher-resolution graphics boards used in CAD/CAE and other display-intensive applications.

Memory Options: 1- or 4-megabyte 32-bit Memory Expansion Boards; 1- or 4-Megabyte Memory Modules.

Security: Password security software prevents unauthorized system use; keylock on system unit cover protects internal components.

Other Options: 20-MHz Intel 387 Coprocessor; Weitek 3167 Coprocessor; MS-DOS/BASIC Version 3 (diskettes and reference guides); Microsoft Operating System/2 Standard Version 1 from Compaq (diskettes and reference guides); COMPAQ DESKPRO 386/20e Technical Reference Guide; Asynchronous Communications/Parallel Printer Board; 40-megabyte tape cartridge; 135-megabyte tape cartridge; 2400-baud Internal Modem (U.S. and Canada only).

Warranty: Full one-year limited warranty.

Physical Specifications: System unit—15.8" W × 5.9" H × 14.8" D (40.1cm W × 14.9cm H × 37.5cm D); enhanced keyboard—18.5" W × 1.7" H × 7.0" D (47.0cm W × 4.3cm H × 17.8cm D).

Standard Configurations

Model 110: One megabyte of random-access memory (RAM); Cache Memory Controller; socket for 20-MHz Intel 387 or Weitek 3167 coprocessor; one 1.2-Megabyte Diskette Drive; one 110-Megabyte Fixed Disk Drive; four 8-/16-bit Industry-Standard Expansion (ISA) slots and one additional high-speed, 32-bit memory expansion slot available. The COMPAQ Expanded Memory Manager (CEMM) and disk caching software utilities also included.

Model 40: Same as Model 110 except for one 40-Megabyte Fixed Disk Drive.

Model 1: Same as Model 110 except without Fixed Disk Drive.

COMPAQ, Registered U.S. Patent and Trademark Office. MS-DOS®, MS*, Microsoft®, XENIX* are trademarks of Microsoft Corporation. MS* OS/2 and Microsoft* Windows/386 are products of Microsoft Corporation. Intel®, Intel 386™ and Intel 387™ are trademarks of Intel Corporation. Product names mentioned herein may be trademarks and/or registered trademarks of other companies. *Registered U.S. Patent and Trademark Office. ©1988 Compaq Computer Corporation. All rights reserved. Printed in the U.S.A.

COMPAQ

It simply works better.

COMPAQ DESKPRO 386/20e

Industry-standard architecture maintains compatibility with popular software and peripherals, while taking advantage of MS OS/2 and applications written specifically for the 386 microprocessor

Up to 16 megabytes of 32-bit memory are available without using one of the four available industry-standard expansion slots

Room for four mass storage devices

The system with keyboard is only 22 inches (55.3 cm) deep, so it fits neatly on a credenza

The 32-bit 386 microprocessor with cache memory controller runs software 50% faster than 16-MHz, non-cache 386-based PC's and 25% faster than 20-MHz, non-cache machines

A socket is provided for either a 20-MHz Intel 387 coprocessor or Weitek 3167 coprocessor to speed calculation- and floating-point-intensive applications

VGA graphics are integrated on the system board, keeping a slot free. With the optional COMPAQ Video Graphics Monitor you can display up to 256 colors simultaneously from a palette of more than 256,000

A 5¹/₄-inch 1.2-Megabyte Diskette Drive is standard with options for 3¹/₂-inch 1.44-Megabyte and 5¹/₄-inch 360-Kbyte Diskette Drives

The power switch is on the front for easier access

Optional 135-MB and 40-MB internal tape backup systems protect data

High-performance 110- and 40-Megabyte Fixed Disk Drives featuring average access times under 25 and 29 milliseconds, respectively