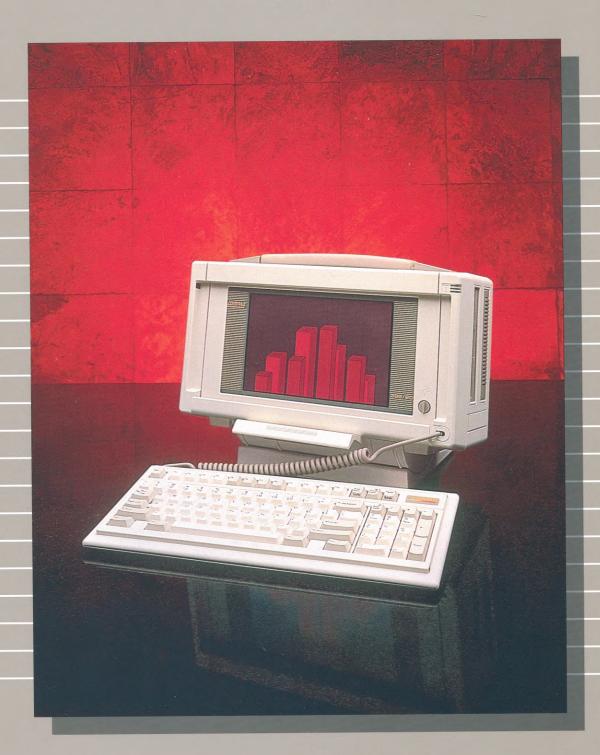
COMPAQ PORTABLE 386° Personal Computer Features/Specifications





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COMPAQ PORTABLE 386™ PERSONAL COMPUTER FEATURES/SPECIFICATIONS First Edition (September 1987)

Computing devices will be available for sale after FCC certification.

The COMPAQ PORTABLE 386™ Personal Computer provides advanced 80386 architecture, high-performance, full personal computer functionality in a small, lightweight portable package that maintains compatibility with today's and tomorrow's advanced user environments. The COMPAQ PORTABLE 386 is the most advanced portable personal computer available.

The COMPAQ PORTABLE 386 uses the second-generation industry-standard 80386 microprocessor operating at a processing speed of 20 MHz. It runs applications up to 25% faster than 16-MHz 80386-based personal computers.

The COMPAQ PORTABLE 386 has a wide range of mass storage options for maximum system flexibility, and offers system memory expansion capability that is unsurpassed by any portable personal computer

system. It also offers the high-resolution text and graphics capabilities of the COMPAQ® Dual-Mode Plasma Display, and it features the new full-size COMPAQ Portable Enhanced Keyboard. Optional features are available, such as a 20-MHz 80387 Coprocessor, Expansion Unit with two full-size 8/16-bit industry-standard expansion slots, 40-Megabyte Fixed Disk Drive Backup (tape) Expansion Unit and the COMPAQ 1200-Baud or COMPAQ 2400-Baud Internal Modem, which offer the user the flexibility to expand the system as his needs change.

The COMPAQ PORTABLE 386 continues the Compaq tradition of providing quality products while offering the right combination of performance, functionality, and portability.

Standard Models and Options

MODEL 40

- · 20-MHz 80386 Microprocessor
- 1 Megabyte of 32-bit, 80-ns Random-Access Memory (RAM)
- 51/4-Inch 1.2-Megabyte Diskette Drive
- 40-Megabyte Fixed Disk Drive (Average Access Time Less Than 30 Milliseconds)
- · COMPAQ Dual-Mode Plasma Display
- COMPAQ Portable Enhanced Keyboard (12 Programmable Function Keys)
- · Socket for 20-MHz 80387 Coprocessor
- · Asynchronous Communications Interface
- · Parallel Interface
- · RGBI Interface
- · Real-Time Clock/Calendar
- 145-Watt Steady-State Power Supply (160-Watt Peak)
- Automatic Line Selecting Feature 110V/220V

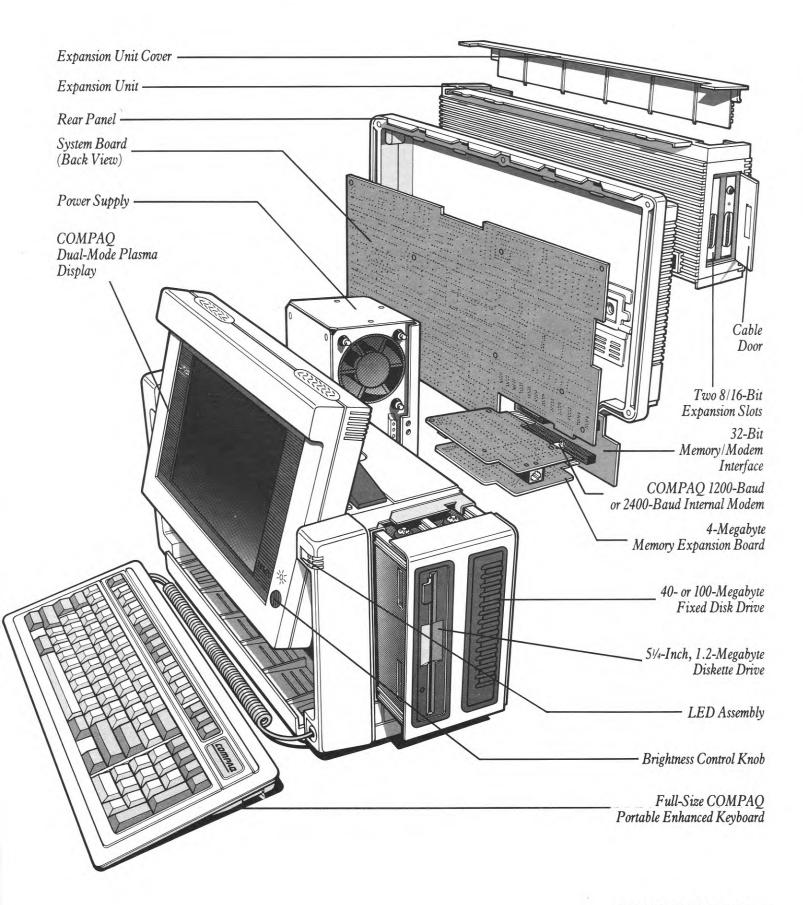
MODEL 100

- · 20-MHz 80386 Microprocessor
- 1 Megabyte of 32-bit, 80-ns Random-Access Memory (RAM)
- 51/4-Inch 1.2-Megabyte Diskette Drive
- 100-Megabyte Fixed Disk Drive (Average Access Time Less Than 25 milliseconds)
- · COMPAQ Dual-Mode Plasma Display
- COMPAQ Portable Enhanced Keyboard (12 Programmable Function Keys)
- · Socket for 20-MHz 80387 Coprocessor
- · Asynchronous Communications Interface
- · Parallel Interface

- · RGBI Interface
- · Real-Time Clock/Calendar
- 145-Watt Steady-State Power Supply (160-Watt Peak)
- Automatic Line Selecting Feature 110V/220V

OPTIONS

- 100-Megabyte Fixed Disk Drive (Average Access Time Less Than 25 Milliseconds)
- 40-Megabyte Fixed Disk Drive Backup (Tape) Expansion Unit
- 360-Kbyte Diskette Drive
- · COMPAQ 1200-Baud Internal Modem
- · COMPAQ 2400-Baud Internal Modem
- · Expansion Unit
- 32-Bit Memory/Modem Interface Board
- 1- to 2-Megabyte Memory Expansion Board
- · 4-Megabyte Memory Expansion Board
- · 4-Megabyte Memory Extension Board
- · 1-Megabyte Memory Upgrade Kit
- · 20-MHz 80387 Coprocessor
- · Second Asynchronous Communications Interface Board
- · Asynchronous Communications/Parallel Printer Board
- COMPAQ Color Monitor
- · COMPAQ Enhanced Color Graphics Board
- · Desktop Pedestal
- Carrying Case (Nylon or Leather)
- MS-DOS®/BASIC Version 3, Release 3.2 or Above
- COMPAQ PORTABLE 386 Technical Reference Guide
- COMPAQ Enhanced Color Graphics Board/COMPAQ Color Monitor Technical Reference Guide



	Feature	Function	Benefit
MICROPRO	OCESSOR		
	20-MHz 80386 microprocessor	 Processes information up to 25% faster than 16-MHz 80386-based personal computers 	 Increases user productivity by processing more information in less time
	• 32-bit architecture	 Provides the ability to process data at 32 bits per CPU cycle (versus 8- or 16-bit processing) 	 Increases user productivity by reducing the time required for processing sophisticated applications. Provides the oppor- tunity for minicomputer-type applications to be done practically on a personal computer
	• 20-MHz 80387 coprocessor (optional)	 Increases the calculation speed of math-intensive applications utilizing the new 20-MHz 80387 coprocessor 	 Coprocessor can be easily installed to increase productivity by processing mathematical calculations in less time
	Compatible with the industry standard	 Provides speed modes that simulate the processing speed of existing personal computers. Maintains compatibility with software designed for 80286-based systems while providing higher pro- cessing speed 	 Protects the user's existing hardware and software investment. Provides the opportunity for minicomputer- type applications to be done practically on a personal computer
EXPANSIO	• Two full-size 8/16-bit slots	 Snaps onto the back of the unit and allows the installation of optional hardware 	• Enhances the functionality of the system by allowing the easy installation of industry-standard boards
RANDOM-	ACCESS MEMORY		
WWW.	• 1 Megabyte of RAM (standard)	 Processes up to one million bytes of information at 20 MHz utilizing 32-bit, high-performance, 80-ns RAM chips 	 Optimizes system performance and versatility by providing high-speed memory to handle complex tasks
HAM	• 32-Bit Memory	 Provides the ability to process data at 32 bits per CPU cycle 	 Increases user productivity by reducing time required to process sophisticated applications
	80-ns RAM operates at 20 MHz	 Processes information up to 25% faster than 16-MHz 80386-based products 	 Increases user productivity by processing more information in less time. Increases system versatility by providing high-speed memory to handle complex tasks
	 10-Megabyte Memory Expansion Capability 	 Provides RAM expansion of up to 10 megabytes of high-performance, 32-bit, 80-ns RAM without use of the expansion unit 	Allows the system to grow with the user's needs
	• COMPAQ Expanded Memory Manager (CEMM)	• Supports the Lotus®/Intel®/ Microsoft® (LIM) Expanded Memory Specification, Version 3.20 (EMS). Enables the user to access memory beyond the MS-DOS limitation of 640 Kbytes	 Allows fast and efficient manipulation of large amounts of data, and eliminates the need to purchase additional hardware

Č.	Feature	Function	Benefit
CLOCK			
	• Real-time clock/calendar (battery powered)	 Supplies the current date and time during power-on or system reboot 	 Saves the user time by eliminating the need to reset the clock
MASS STORA	AGE DEVICES		
	Choice of internal storage devices	Holds up to two internal storage devices	 Provides the user with the flexibility to determine the data storage requirements that best meet the needs of specific applications
	Shock-mounted drives	 Protects the drives by absorbing impact and vibration 	 Enhances system portability by providing rugged and reliable storage devices
	• 5¼-inch 1.2-Megabyte Diskette Drive (Standard)	 Reads and writes 1.2-megabyte diskettes; reads 360-Kbyte diskettes 	 Provides compatibility with exist- ing media standards and protects the user's software investment
	• 5¼-inch 360-Kbyte Diskette Drive (Optional)	 Reads and writes to 360- Kbyte diskettes 	 Maintains compatibility and protects the user's software investment
	• 40-Megabyte 3½-Inch Fixed Disk Drive	• Stores more than 20,000 pages of information/ average access time of less than 30 milliseconds	 High-speed, high-performance fixed disk drive provides faster system processing capability. It enhances portability by eliminating the need to carry the equivalent of 34 1.2-megabyte diskettes
	• 100-Megabyte 3½-Inch Fixed Disk Drive	• Stores more than 50,000 pages of information/ average access time of less than 25 milliseconds	 High-speed, high-performance fixed disk drive provides faster system processing capability. It enhances portability by eliminating the need to carry the equivalent of 83 1.2-megabyte diskettes
TAPE BACKU	JP EXPANSION UNIT		
	 40-Megabyte Fixed Disk Drive Backup (Tape) Expansion Unit 	 Stores 40 million characters of data from the fixed disk drive onto a removable tape cassette. 	 Minimizes the time required to recover from a loss of data due to situations such as theft or system failure
		 Modular component, it is easily attached and removed 	 Enhances portability by allowing the user to leave the tape unit behind when transporting the system. Removable design also allows users to share the device.
POWER SUP	PLY		
	• Steady-State: 145 Watts — Peak: 160 Watts	 Distributes sufficient power to the system to support all available configurations 	 Prevents the need to replace or supplement the existing power supply when a user decides to upgrade the system
	• Automatic Line Selecting Feature (110V/220V)	• Determines the voltage of incoming power	 Provides system flexibility for international travel

	Feature	Function	Benefit
KEYBOARI)		
	COMPAQ Portable Enhanced Keyboard	 Full-size keys in a layout that includes 12 programmable function keys and a 10-key numeric/cursor keypad 	 Provides users with the unique features of an Enhanced Keyboard and maintain software compatibility
	• 12 function keys	 Provides 12 keys that can be programmed to perform special functions 	 Increases user productivity and adds convenience by saving time
	• Detachable	 Allows the free movement of the keyboard 	 Provides comfort to the user and contributes to personal productivity
	• LED indicators	 Indicates the on/off state of the CAPS LOCK, NUM LOCK, and SCROLL LOCK keys 	 Promotes increased accuracy of data input through the easy recognition of key state
STANDARI	INTERFACES		
And Andread An	• Parallel	 Allows the connection of a parallel printer to the system unit 	 Eliminates the need to purchase and install additional hardware
4	Asynchronous communications	 Allows the connection of a serial device to the system unit 	 Eliminates the need to purchase and install additional hardware
	RGBI Interface	Allows for the connection of an external monitor	 External color monitor can be connected without the additional investment of a color graphics adapter
PLASMA D	ISPLAY		
-	• DC plasma technology	 Provides a superior quality flat panel display 	 Increases readability in any light and at various angles
	• Dual-mode	• Supports high-resolution text (640 X 400) and high-resolution graphics (640 X 400, 640 X 200, and 320 X 200)	 Eliminates the need to purchase additional hardware to support both text and graphics
	• Adjustable	 Allows for variable positioning of display 	 Provides viewing comfort which increases productivity
MONITOR	AND VIDEO BOARDS		
	COMPAQ Enhanced Color Graphics Board	 Provides EGA resolution capability 	 Provides high-resolution color graphics needed for an increasing number of applications
	COMPAQ Color Monitor	 Displays text and graphics in a maximum resolution of 640 x 350 and supports 64 colors 	• Increases the graphics capabilities of the system

	Feature	Function	Benefit
PHYSICAL CI	HARACTERISTICS		
	• Dimensions Height 9.8 in. Width 16.0 in. Depth 7.8 in.	 Provides full-function computing in a small package 	Provides true portability
	• Weight Model 40: 20 lb Model 100: 21 lb	 Provides full-function personal computing in a lightweight, easy-to-carry package 	Provides true portability
CONVENIEN	CE OPTIONS		The Asia State
	 Internal Modem Hayes-compatible 1200-Baud 2400-Baud Tone/pulse dialing Full- or half-duplex Auto answer/originate 	 Provides communications capabilities within the system unit 	 Frees the asynchronous communications interface for other serial devices and maintains compatibility with industry-standard communications software
	• Second Asynchronous Communications Interface	 Supplies an additional 9-pin serial port 	 Provides additional system configuration flexibility
	 Asynchronous Communications/ Parallel Printer Board 	 Supplies additional serial and parallel ports 	 Provides additional system configuration flexibility
	Desktop Pedestal	 Provides an adjustable stand for the system unit 	 Enhances personal productivity by adjusting to a variety of operating positions
	 Carrying Case black nylon or leather shoulder strap expandable 	 Protects the system unit while in transit and expands to accommodate the expansion unit 	Enhances portability by making the system unit easier to carry
SOFTWARE			
O .	• ADAPT (Advanced Display Attribute Programming Tool)	 Enables the adjustment of highlighted text attributes 	 Maximizes readability by providing the capability to personalize the selection and modify display attributes
	Screen Save	 Causes the screen to go blank when there has not been any recent keyboard activity 	 Provides privacy while the system is unattended
	• MS-DOS Version 3, Release 3.2, or Higher	 Provides the operating system that controls the activity of the system 	• Ensures compatibility with the installed base of software
DOCUMENTA	ATION		
	Operations Guide	 Provides the information needed to operate the system 	 Provides useful system information to users in an easy-to-read manner
	• Technical Reference Guide	 Provides reference information intended for advanced users and programmers 	 Provides the technical information that allows users to maximize system performance

Memory Expansion

The COMPAO PORTABLE 386 Personal Computer is configured with 1 megabyte of high-performance, 32-bit, 80-ns random-access memory (RAM). There are several memory expansion options available that were designed to take advantage of the 32-bit architecture of the COMPAQ PORTABLE 386. These options allow for a maximum memory configuration of 10 megabytes. The 32-Bit Memory/Modem Interface Board is required for memory expansion. This option connects the modem, or the second asynchronous communications interface board and/or the memory expansion options to the system board.

The 1-Megabyte Memory Upgrade Kit:

This option provides an additional 1 megabyte of 32-bit RAM to the system, and expands the RAM capacity of the system board to a full 2 megabytes. This option kit includes two memory modules.

1- to 2-Megabyte Memory Expansion Board:

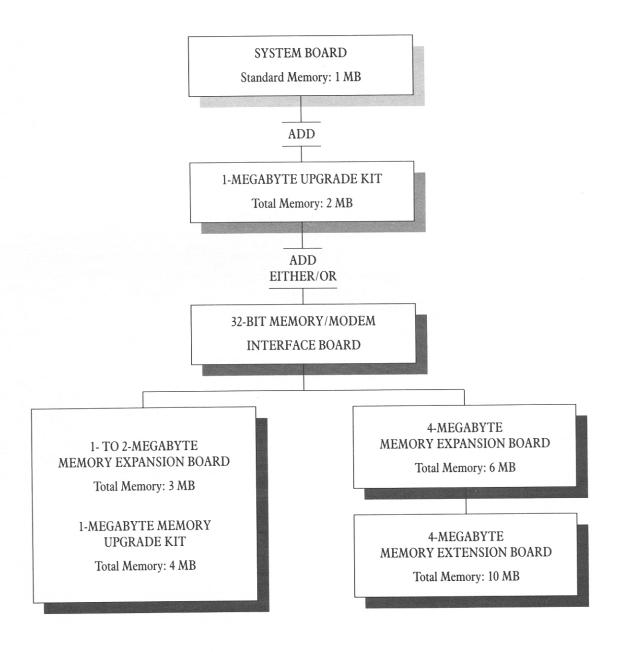
This memory expansion board provides 1 megabyte of standard RAM. This enables the expansion of internal system memory up to 3 megabytes. The system board must be fully loaded (2 megabytes of RAM) for this option to be installed. The 1-Megabyte Memory Upgrade Kit can be installed on the 1- to 2-Megabyte Memory Expansion Board to provide an additional 1 megabyte of RAM. This boosts the system memory capacity up to 4 megabytes without the use of an expansion slot.

4-Megabyte Memory Expansion Board:

This option provides 4 megabytes of RAM using 1 megabit X 1 chips. The system board must be fully loaded (2 megabytes of RAM) for this option to be installed. This expands the maximum system RAM up to 6 megabytes of 32-bit system memory. Sockets are provided that allow for the installation of the 4-Megabyte Memory Expansion Board.

4-Megabyte Memory Extension Board:

This memory board is installed onto the 4-Megabyte Memory Expansion Board to provide an additional 4 megabytes of RAM to the system. It uses 1 megabit X 1 chips. The installation of this board enables the system memory to expand up to its maximum of 10 megabytes. The 4-Megabyte Memory Expansion Board must be used in conjunction with this option.



Technical Specifications

STORAGE DEVICE PERFORMANCE

DISKETTE DRIVES	1.2-MEGABYTE	360-KBYTE
LED Indicators		
Read/Write 1.2-Megabyte	Green	N/A
Read/Write 360-Kbyte	Orange	Orange
Capacity Per Drive	1.2 megabytes	360 Kbytes
Dimensions		
Height	1.1 in.	1.1 in.
Depth	8.0 in.	8.0 in.
Width	5.8 in.	5.8 in.
Drive Size	5¼ in.	5¼ in.
Drive Rotation (RPM)	360	300
Transfer Rate (BPS)		
1.2-megabyte	500 Kbytes	
360-Kbyte	300 Kbytes	250 Kbytes
Bytes Per Sector	512	512
Sectors Per Track		
1.2-Megabyte	15	
360-Kbyte	9	9
Tracks Per Inch		
1.2-megabyte	96	
360-Kbyte	48	48
Tracks Per Side	80/40	40
Access Times (Excluding Settling)		
Track to Track (ms)	3	6
Average (ms)	80	80
Settling Time (ms)	15	15
Latency Average (ms)	84	100
Cylinders		
1.2-megabyte	80	
360-Kbyte	40	40
Read/Write Heads	2	2

STORAGE DEVICE PERFORMANCE

FIXED DISK DRIVES	40-MEGABYTE	100-MEGABYTE
Standard Configuration	Model 40	Model 100
Option Kit	No	Yes
Capacity Per Drive Formatted	40 Megabytes	100 Megabytes
Dimensions Height	1.5 in. (3.8 cm)	1.63 in. (4.1 cm)
Depth	5.8 in. (14.6 cm)	5.8 in. (14.6 cm)
Width	4.0 in. (10.2 cm)	4.0 in. (10.2 cm)
Drives Supported	1	1
Drive Type	17	45
Transfer Rate	8 Megabits/sec	10 Megabits/sec
Bytes Per Sector	512	512
Rotational Speed (RPM)	3600	3600
Access Times (Including Settling) Track to Track (ms)	8 ms	8 ms
Average (ms)	<30 ms	<25 ms
Maximum (ms)	70 ms	50 ms
Physical Sectors per Track	26	33
Physical Cylinders	805	748
Physical Read/Write Heads	4	8
Logical Sectors per Track	17	33
Logically Addressable Cylinders	980	748
Logically Addressable Heads	5	8
Backup Medium	Diskettes 40-Megabyte Fixed Disk Drive Backup (Tape) Expansion Unit	Diskettes 40-Megabyte Fixed Disk Drive Backup (Tape) Expansion Unit

Technical Specifications

STORAGE DEVICE PERFORMANCE

40-MEGABYTE FIXED DISK DRIVE BACKUP EXPANSION UNIT

Dimensions	
Height	6.0 in. (15.2 cm)
Depth	2.4 in. (6.1 cm)
Width	14.5 in. (36.8 cm)
Approximate Operating Time (In Minutes) Backup and Verify Formatted Cartridge	36
Unformatted Cartridge	110
Restore	18
Format Blank Cartridge	74
Maximum Formatted Capacities Per Tape	40 Megabytes
Per Track	2 Megabytes
Per Data Block	16,384 Bytes
Per Sector	1024 Bytes
Mechanical Measurements Tape Width	.25 in.
Tape Length	205 ft
Tape Speed Read/Write (Dual Directions)	50 IPS
Rewind/Fast Forward	70 IPS
Tape Format Read/Write	Streaming
Track Pattern	Serpentine
Number of Tracks	20
Number of Blocks Per Track	124
Number of Data Sectors Per Block	16
Number ECC Sector Per Block	2
Recording Density/Inch	10000 Bits
Flux Reversals/Inch	10000
Track Density/Inch	83 Tracks
Data Encoding Method	MFM
Data Transfer Rate (BPS) Read/Write	500 Kb Read 250 Kbs
Error Detection/Correction	CRC/ECC
Tape Cartridges Read/Write	3M® DC2000
Read	3M DC1000

SYSTEM UNIT

	U.S.	International
Dimensions:		
Height	9.8 in.	24.8 cm
Depth	7.8 in.	19.8 cm
Width	16.0 in.	40.6 cm
Weight: Model 40	20 lb	9.1 kg
Model 100	21 lb	9.6 kg
Power Supply: Operating Voltage	120 VAC, 60Hz	230 VAC, 50Hz
Steady-State Power	145 Watts	145 Watts
Peak Power	160 Watts	160 Watts
Operating Current	3 AMP	2 AMP
Temperature Range: Operating	50° to 104° F	10° to 40° C
Nonoperating	14° to 122° F	– 10° to 50° C
Shipping	-22° to 140° F	- 30° to 60° C
Relative Humidity: (non-condensing) Operating	20% to 80%	20% to 80%
Nonoperating	5% to 90%	Not < than 5%
Maximum Unpressurized Altitude: Operating	10,000 ft	3,000 m
Nonoperating	30,000 ft	9,100 m
KEYBOARD		
Dimensions Height	1.2 in.	3.0 cm
Depth	7.1 in.	18.0 cm
Width	15.8 in.	40.1 cm
Cable Extended Length	30.0 in.	76.2 cm
Coil Diameter	0.6 in.	1.5 cm
Interface	Industry-standard 5-pin circular DIN-type connector	

Physical Measurements

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	U.S.	International
Dimensions:		
Width (Viewable Area)	8.3 in.	21.1 cm
Height (Viewable Area)	5.2 in.	13.2 cm
Diagonal Size	10 in.	25.4 cm
Туре	DC Plasma	DC Plasma
Mounting	Internal	Internal
Character Display	80/40 X 25	80/40 X 25
Brightness	Adjustable	Adjustable
Resolution	Text—640 X 400	Text-640 X 400
	Graphics—640 X 400	Graphics—640 X 400
	640 X 200	640 X 200
	320 X 200	320 X 200

COMPAQ 1200-BAUD INTERNAL MÖDEM/ČOMPAQ 2400-BAUD INTERNAL MODEM

Dimensions: Width	5.6 in.	
Height	3 in.	International Modem Specifications
	(exclusive of connector)	Available Locally
Depth	.5 in.	

Modem Type/Transmission Rate:

Modem Type Transmission Rate	1200-Baud Internal Modem	2400-Baud Internal Modem
300	Bell 103A	Bell 103A CCITT V.21
1200	Bell 212A CCITT V.22	Bell 212A CCITT V.22 bis
2400	_	Bell 212A CCITT V.22 bis

International Modem Specifications Available Locally

EXPANSION UNIT

Dimensions:		
Height	6.0 in.	15.2 cm
Depth	2.4 in.	6.1 cm
Width	14.5 in.	36.8 cm
Slots:	Two, 8-MHz 8/16-bit slots	Two, 8-MHz -bit slots
	(fully skirted 8-bit	(fully skirted 8-bit
	boards not compatible)	boards not compatible)

- Q: What are the benefits of 32-bit architecture?
- A: The 32-bit architecture and instruction set offers users increased performance and functionality. The larger data width provides a 32-bit data path that enables more information to be moved faster. This eliminates potential system bottlenecks, and allows for the true potential of the processing power of the Intel 80386 microprocessor to be fully maximized. The 20-MHz processor speed, combined with the benefits of the wider and faster 32-bit data path, provides performance in a portable system that rivals that previously available only in minicomputer systems. The 32-bit architecture provides a platform for future application development. Increasing numbers of applications are being developed to take advantage of the advanced functions of the 80386 microprocessor.
- Q: Will the 20-MHz processing speed cause any incompatibilities? How did Compaq maintain compatibility?
- A: Compaq has established a solid reputation for providing personal computer systems that maintain full-compatibility with the industry standard. Compatibility is maintained with software applications by providing the user with a method for selecting speed modes to eliminate incompatibilities with speed-sensitive software. The expansion bus of the COMPAQ PORTABLE 386 runs at 8 MHz, while the processor runs at 20 MHz. This allows the system to maintain compatibility with popular hardware created for 8-MHz 80286-based systems. Compaq has maintained this high level of compatibility to protect the user's existing hardware and software investment.
- Q: How much faster is the 20-MHz 80386 microprocessor than the 16-MHz 80386 microprocessor?
- A: The 80386 microprocessor of the COMPAQ PORTABLE 386 operates at a processing speed of 20 MHz. It processes information up to 25% faster than 16-MHz 80386-based products.
- Q: How much faster is the 20-MHz 80386 microprocessor than the 8-MHz 80286 microprocessor?
- A: The 80386 microprocessor of the COMPAQ PORTABLE 386 operates at a processing speed of 20 MHz. It processes information up to 3.5 times faster than the 8-MHz 80286 microprocessor.
- Q: Which keyboard is available with this product?
- A: The detachable, COMPAQ Portable Enhanced Keyboard was chosen to provide full-function portable computing capability and maximize system productivity. This keyboard offers full-size keys in a layout that includes 12 programmable function keys. The familiar layout and full-size keys provide users with the unique features of the COMPAQ Enhanced Keyboard while maintaining full software compatibility and system portability.
- O: What is the COMPAO Expanded Memory Manager (CEMM)?
- A: COMPAQ Expanded Memory Manager is the software driver that allows memory above the traditional 640 Kbytes limitation of the MS-DOS environment to become accessible to user applications using the Lotus/Intel/Microsoft (LIM) specification, Version 3.20.
- Q: Can I use a coprocessor in the COMPAQ PORTABLE 386?
- A: Yes, an 80387 coprocessor socket is standard in the COMPAQ PORTABLE 386 to allow for the installation of the new 20-MHz Intel 80387 Coprocessor.
- O: What is the product warranty for the COMPAQ PORTABLE 386?
- A: The COMPAQ PORTABLE 386 has a Full One-Year Limited Warranty from the date of purchase. The warranty for COMPAQ PORTABLE 386 options is the greater of 90 days, or the time remaining on the system warranty.
- Q: Is there a fixed disk drive backup option provided for the COMPAQ PORTABLE 386?
- A: Yes, the 40-Megabyte Fixed Disk Drive Backup (Tape) Expansion Unit is available as an option. This storage expansion unit attaches to a connector on the rear of the system. It can also be used with the COMPAQ PORTABLE III™ Personal Computer.
- Q: How much memory can be installed in the system?
- A: The maximum RAM capacity of the COMPAQ PORTABLE 386 is 10 megabytes without the use of any expansion slots. The system is configured with 1 megabyte of standard RAM. There are several options available which take advantage of the advanced 32-bit architecture to expand internal system memory to a maximum of 10 megabytes.

Questions and Answers

- **Q**: What modem options are available from Compaq?
- A: The COMPAQ PORTABLE 386 has two modem options available that provide communications capability within the system unit. The COMPAQ 1200-Baud Internal Modem, and the COMPAQ 2400-Baud Internal Modem are offered as options. These modems provide tone/pulse dialing, full-/half-duplex and auto answer/originate capabilities. They are Hayes-compatible. These options free the standard asynchronous communications interface for other serial devices, and maintain compatibility with industry-standard communications software.
- Q: What version of MS-DOS is required for supporting the 100-Megabyte Fixed Disk Drive?
- A: MS-DOS Version 3, Release 3.2 or higher.
- Q: When I install the Second Asynchronous Communications Interface Board, can I have a modem too?
- A: The Second Asynchronous Communications Interface Board and the COMPAQ Internal Modems were designed to be installed in the same location in the system unit. Therefore, the COMPAQ Internal Modem and the Second Asynchronous Communications Interface Board cannot be installed at the same time.

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