

COMPAQ SLT/286
Personal Computer
Features/Specifications

COMPAQ

It simply works better.

The COMPAQ SLT/286 Personal Computer

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COMPAQ SLT/286 PERSONAL COMPUTER
FEATURES/SPECIFICATIONS
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The COMPAQ SLT1286 Personal Computer

1286

The Compaq SLT1286 is a powerful personal computer designed for business and professional use. It features a high-speed processor, large memory capacity, and a variety of expansion options. The system is compact and easy to use, making it an ideal choice for those who need a reliable and efficient computing environment.

Key features include:

- High-speed processor for fast performance.
- Large memory capacity for handling large data sets.
- Expansion options for additional storage and peripherals.
- Compact design for easy integration into existing workspaces.
- Reliable and efficient operation for long-term use.

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Features Overview

The COMPAQ SLT/286 Personal Computer is the ultimate full-function battery-powered personal computer. Weighing 14 pounds, with a 12-MHz 80C286 microprocessor and a multitude of features and options, the COMPAQ SLT/286 provides the most functionality and flexibility of any laptop computer. In fact, the COMPAQ SLT/286 Personal Computer puts all the power of a desktop in your lap.

The COMPAQ SLT/286 comes standard with internal VGA resolution support on an easy-to-read 10-inch (25.4 cm) diagonal backlit display, a 3½-inch diskette drive, a high-performance fixed disk drive, and a removable keyboard with full-sized keys.

Among the many options provided for the COMPAQ SLT/286 are a 2400-Baud Internal Modem, Desktop Expansion Base, and a 12-MHz 80C287 Coprocessor. Optional storage devices include an external 5¼-Inch Diskette Drive and an external 40-Megabyte Tape Drive.

Compaq Computer Corporation, a leader in portable computers, is the first to combine all of the high performance and functionality you want into one



The COMPAQ SLT/286 Personal Computer

light-weight, easy-to-carry battery-operated system—a system that allows you to be as productive as you can be both in and out of the office—without compromise.

Standard Models and Options

MODEL 40

- 640 Kbytes of Memory
- One 3½-Inch 1.44 Megabyte Diskette Drive
- One 40-Megabyte Fixed Disk Drive

MODEL 20

- 640 Kbytes of Memory
- One 3½-Inch 1.44 Megabyte Diskette Drive
- One 20-Megabyte Fixed Disk Drive

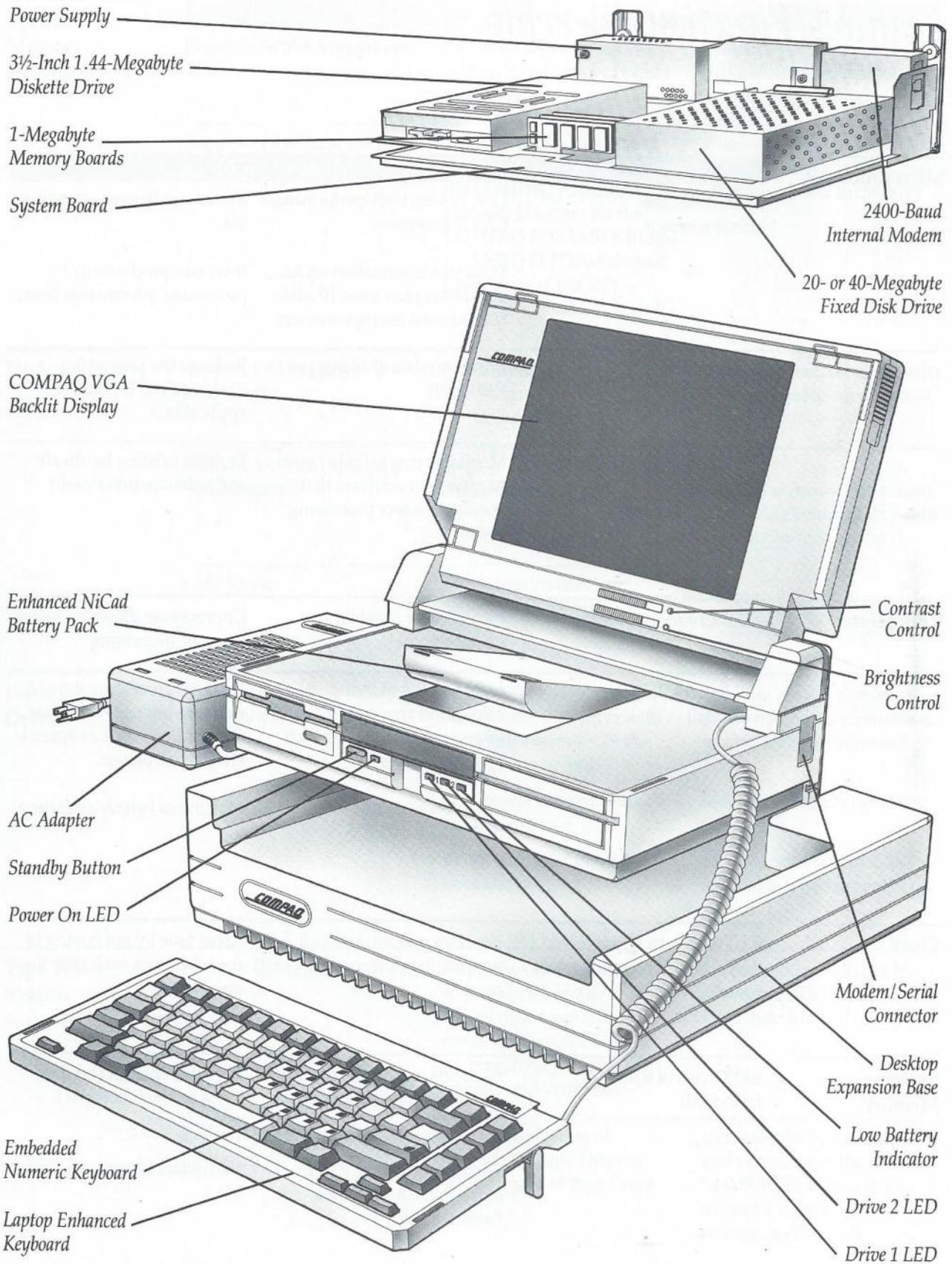
STANDARD FEATURES ON ALL MODELS

- Enhanced NiCad Battery Pack
- 12-MHz 80C286 Microprocessor
- COMPAQ VGA Backlit Display
- Internal/External VGA Graphics Support
- Removable keyboard with full-sized keys
- Socket for an 80C287 or 80287 coprocessor
- AC Adapter
- Real-Time Clock/Calendar
- External VGA Monitor Interface
- Parallel Interface
- High-Speed Asynchronous Communications (Serial) Interface
- External Enhanced Keyboard Interface
- External Option Interfaces
- Full One-Year Limited Warranty

OPTIONS

- 2400-Baud Internal Modem¹
- Desktop Expansion Base
- 40-Megabyte Fixed Disk Drive
- External Storage Module for either
 - 5¼-Inch Diskette Drive
 - or
 - 40-Megabyte Tape Drive
- 12-MHz 80C287 Coprocessor
- Enhanced Keyboard
- 1-Megabyte Memory Board
- External Numeric Keypad
- Battery Pack
- External Battery Charger
- Automobile Adapter
- Asynchronous Communications Interface Board
- Laptop Carrying Case
- Advanced Graphics Monitor
- Advanced Graphics 1024 Board
- Advanced Graphics Memory Board
- Video Graphics Color Monitor
- Video Graphics Monochrome Monitor
- 40-Megabyte Tape Cartridges (DC 2000)
- MS-DOS® Version 4 as published by Compaq
- MS-DOS Version 3 as published by Compaq
- Microsoft® Operating System/2 Standard Version 1.1 as published by Compaq
- *COMPAQ SLT/286 Technical Reference Guide*

¹Available in countries whose regulations permit



Features/Functions/Benefits

	FEATURE	FUNCTION	BENEFIT
Microprocessor	12-MHz 80C286 Microprocessor	Low-power, high-performance CMOS processor	Maximizes battery operating life
		Processes information up to 20% faster than most 10-MHz 80286-based microprocessors	Increases productivity by processing information faster
	16-Bit architecture	Processes data at 16 bits per CPU cycle	Reduces the processing time required for business applications
	Dual processing speeds (12 and 8 MHz)	Maintains compatibility with hardware or software that requires a lower processing speed	Protects existing hardware and software investment
Coprocessor	80287 Coprocessor Socket	Provides the capability to install a numeric coprocessor	Coprocessor allows for faster numeric processing
	12-MHz 80C287 Coprocessor (optional)	Increases the numeric calculation speed for math intensive applications, such as spreadsheets	Reduces processing time of numeric-intensive business applications, such as spreadsheet recalculation
		Low-power, high-performance CMOS coprocessor	Maximizes battery operating life
Clock	Real-time battery-powered clock/calendar on the system board	Provides current date and time during power-on or reset	Saves time by not having to reset the clock each time the unit is turned on
System Memory	640 Kbytes of RAM (standard)	Supports up to 640 Kbytes of information for processing	Provides enough standard RAM to meet most user needs
		High-performance RAM chips that consume less battery power	Maximizes battery operating life

	FEATURE	FUNCTION	BENEFIT
System Memory (continued)	Expandable to 3.6 megabytes	Accommodates up to three 1-Megabyte Memory Boards internally	Provides sufficient RAM expansion to run memory-intensive applications
	Supports LIM Version 4.0	Provides access to memory above 640 Kbytes through the COMPAQ Expanded Memory Manager for the COMPAQ PORTABLE III and COMPAQ SLT/286 Personal Computers (CEMMP)	Allows fast and efficient manipulation of large amounts of data in memory
Diskette Drives	3½-Inch 1.44 Megabyte (standard)	Reads from/writes to both 1.44 megabyte and 720-Kbyte 3½-inch diskettes	Provides small, durable media for the portable environment
	External 5¼-Inch (optional) • 1.2-Megabyte	Reads from/writes to 1.2-megabyte and reads 360-Kbyte diskettes	Protects software investment by offering compatibility with existing 5¼-inch media
	• 360-Kbyte	Reads from/writes to 360-Kbyte diskettes	
Fixed Disk Drives	40-Megabyte 20-Megabyte	Supports one high-performance fixed disk drive with 1:1 interleave and <29 ms average access time	Provides greater storage capacity and high performance in a portable environment
		Low power consumption modes built in	Maximizes battery operating life
		Shock-mounted for ruggedness and reliability	Ensures reliability of data in a portable environment
Tape Drive System (optional)	External 40-Megabyte Tape Drive	Duplicates and verifies 40 megabytes of data from a fixed disk drive onto a removable tape cartridge at a 1-megabyte per minute transfer and verify rate	Helps to safeguard data by allowing quick backup of fixed disk drives
	External Storage Module (optional)	Allows installation of 5¼-Inch Diskette Drive or of 40-Megabyte Tape Drive	Increases the functionality and versatility of the COMPAQ SLT/286 system to meet a wide variety of storage media needs

Display	FEATURE	FUNCTION	BENEFIT
	COMPAQ VGA Backlit Display	Provides a superior quality LCD Display (640 x 480) Nonglare screen	A high-contrast display that is easy to read in any light Enhances readability and reduces eye strain
	VGA-, EGA-, and CGA-compatible	Supports 320 x 200 resolution in 16 shades of gray or 640 x 480 resolution in 8 shades of gray Supports all VGA, EGA, and CGA software (BIOS-compatible)	Provides higher quality text and graphics in a portable environment Protects existing software investments
	10-in (25.4-cm) diagonal screen	80 or 40 characters x 25 lines	Provides full-sized display and characters
	Adjustable angle	Allows variable positioning of the display	Provides viewing comfort which increases productivity
	Adjustable contrast and backlight	Ability to change the contrast and intensity of the backlight	Provides better readability in different lighting conditions
Keyboard	Enhanced keyboard layout	Familiar layout including: • 12 function keys • Dedicated cursor control keys • 82-key U.S. English layout (83 other)	Provides familiar layout for easy transition from desktop to portable system
	Full-sized keys with standard spacing	No difference in key size, spacing, feel, or travel	Provides keyboard with a familiar feel and size
	LED indicators	Indicate the on/off status of the CAPS LOCKS, NUM LOCK, and SCROLL LOCK keys	Increases accuracy of data input through the easy recognition of the key state
	Removable keyboard	Allows free movement of the keyboard away from the system	Provides comfort which contributes to productivity
	Nested position	Keyboard can be used on top of the system unit	Allows system to be used in cramped locations, such as car seat, airplane tray table, etc.

	FEATURE	FUNCTION	BENEFIT
Keyboard (continued)	Embedded numeric keypad	Provides an area on the keyboard for numeric input and cursor movement	Enables faster and easier input for number-intensive applications
Standard Interfaces	Total of seven interfaces standard on system: <ul style="list-style-type: none"> • Parallel • High-Speed Asynchronous Communications (Serial) • External VGA Monitor • Desktop Expansion Base • External Storage Module • External Enhanced Keyboard • External Numeric Keypad 	Allows connection of external devices	Offers flexibility in choosing output devices at no incremental cost and without using an expansion slot
Battery Power	Internal Enhanced NiCad Battery Pack	Provides over 3 hours of system use	Provides sufficient power for system use when AC power is not accessible
	Fast-charge capability	Fully recharges the battery in 1.5 to 3 hours	Provides a fast, easy way to maintain a fully-charged battery
	Trickle-charge capability	Battery can be continuously charged while the system is connected to the AC Adapter	Allows the user to continually recharge the battery even while using the system
	Spare battery pack (optional)	Easily replaceable battery pack	Allows the user to extend the operating time of the system when the standard battery pack runs low
	Low battery indicators	LED indicators and audible signals that alert the user to low-battery states	Notifies user to save data before battery power runs out
AC Power	AC Adapter	Plugs directly into the system unit to provide AC power and simultaneously charge the battery	Allows the user to conserve battery life when AC power outlets are accessible Allows the system to be used while the battery is being recharged
	20-watt power supply <ul style="list-style-type: none"> • Steady State: 20W • Peak: 33W 	Converts AC power to DC	Provides sufficient power to run all system components

	FEATURE	FUNCTION	BENEFIT
AC Power (continued)	Automatic line selecting (110V to 220V or 240V)	Automatically adjusts to the voltage of incoming power	Provides system flexibility for international travel
Desktop Expansion Base (optional)	Two full-sized 8-/16-bit industry-standard slots	Allows the installation of industry-standard expansion boards	Increases system flexibility and provides the ability to customize the system for particular applications and hardware options
	Separate power supply	Provides AC power to the system and simultaneously charges the battery	Provides sufficient power to run all system components
	Standard interfaces • Parallel • External VGA Monitor • External Enhanced Keyboard	Allows external devices to be connected to the Desktop Expansion Base	Allows easier transition from an office to a portable environment
Options	2400-Baud Internal Modem • Hayes-compatible • 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 communi- cations software
	Asynchronous Communica- tions Interface Board	Supplies an additional internal 9-pin serial port, using the internal modem slot	Provides additional system configuration flexibility for users where an external modem is required
	External Numeric Keypad	Provides separate area for numeric input and cursor movement with full-sized keys	Enables faster input and movement while still having full keyboard functionality
	External Battery Charger	Fast-charges up to two battery packs	Provides battery-charging capability independent from the system unit
	Automobile Adapter	Provides power to system from vehicle battery	Allows system to be powered from an automobile rather than from AC or the battery pack

Options	FEATURE	FUNCTION	BENEFIT
(continued)	Laptop Carrying Case <ul style="list-style-type: none"> • Black fabric • Shoulder strap • Expandable 	Stores the system unit while in transit and accommodates the AC Adapter, other options, and miscellaneous briefcase items	Enhances portability by making system unit easier to carry
Video	Advanced Graphics Color Monitor (optional) (requires Advanced Graphics 1024 Board)	High-resolution graphics on a 16-inch (diagonal) screen with up to 256 colors in 1024 x 768 or 640 x 480 resolutions	Provides a high-quality image that makes details more precise and easier to see
	Video Graphics Color Monitor (optional)	VGA-compatible, displaying up to 256 colors in 320 x 200 graphics resolution and 16 colors in 640 x 480 resolution	Increased resolution provides better color graphics images
	Video Graphics Monochrome Monitor (optional)	Displays graphics in 640 x 480 resolution and text in 720 x 400 resolution and allows for black letters on white display	Provides a high-quality screen image and a more realistic view of how a printed document will look
	Advanced Graphics 1024 Board (optional) (for use with Desktop Expansion Base)	Provides high-performance, high-resolution display capabilities <ul style="list-style-type: none"> • 1024 x 768 resolution 16 colors • 1024 x 768 resolution with 256 colors with optional memory board 	Provides higher performance in graphics-intensive applications such as CAD/CAE or business graphics
Physical Characteristics	Dimensions: <ul style="list-style-type: none"> • Height 4.1 in (10.54 cm) • Depth 8.5 in (21.59 cm) • Width 13.5 in (34.29 cm) 	Provides full functionality in a compact, portable unit	Easy-to-carry system that is small enough to be used in cramped spaces
	Weight: <ul style="list-style-type: none"> • Models 20/40: 14 lbs (6.3 kg) 	Provides full-function computing in a light-weight, easy-to-carry system	Light weight maximizes portability

Operating Systems

FEATURE	FUNCTION	BENEFIT
MS-DOS Version 4 Diskettes and Reference Guide (optional)	Includes MS-DOS Shell graphics interface and COMPAQ FASTART installation and upgrade utility; has the ability to take advantage of LIM 4.0 for expanded memory enhancements; and supports logical partitions up to 2 gigabytes	Productivity increases through ease-of-use improvements, expanded memory usage and greater fixed disk drive partition size
MS-DOS Version 3 Diskettes and Reference Guide (optional)	Breaks the 32-megabyte barrier and enables partitioning of high-capacity fixed disk drives into logical drives of up to 512 megabytes each	Ensures compatibility with the installed base of software and allows greater use of large capacity fixed disk drives
MS® OS/2 Standard Version 1.1 Diskettes, Command Reference and User's Guide (optional)	Includes Presentation Manager, a graphics user interface to assist users in interacting with a personal computer	Increases productivity, by allowing multiple Presentation Manager applications to be windowed, reduces training time, and provides ease-of-use features for using a personal computer
	Provides a multitasking feature, which allows an application to run in the foreground while other applications continue to run in the background	Increases productivity by permitting a user to run multiple applications at the same time
	Expands the addressable memory capacity to 16 megabytes	Enhances productivity by allowing increased memory capacity for multitasking and larger data files

Software Utilities

Advanced Display Attribute Programming Tool (ADAPT)	Enables the adjustment of gray scales on the screen	Optimizes the readability of text on the display
Power Conservation Utility (PWRCON)	Allows a user to change the time-out values used to power-down specific subsystems during periods of inactivity	Enables a user to run applications that require little user interaction, such as presentations, without the system or subsystems being powered-down as frequently

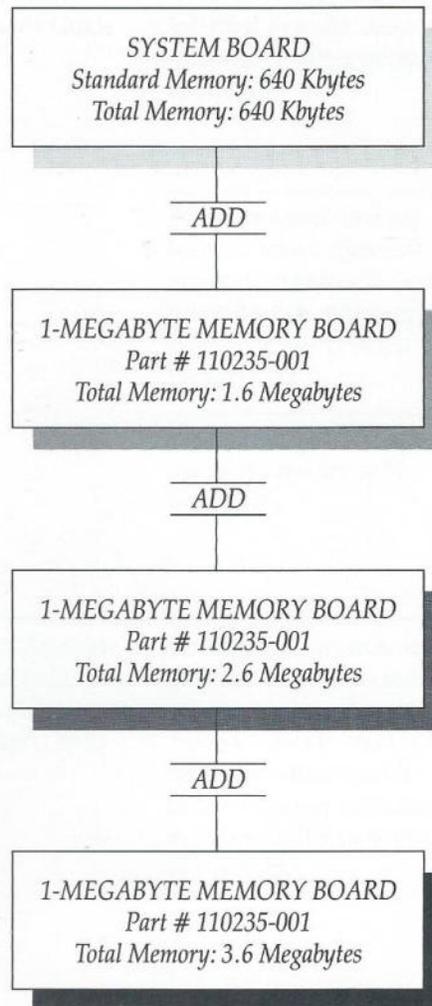
**Software
Utilities**
(continued)

FEATURE	FUNCTION	BENEFIT
Screen Save	A user-modifiable software feature that turns off the backlight and display when the system has not been used for a specified period of time	Maximizes battery operating life Provides privacy while the system is unattended
Compaq Expanded Memory Manager for COMPAQ PORTABLE III and COMPAQ SLT/286 Personal Computers (CEMMP)	Supports the Lotus/Intel®/Microsoft (LIM) Expanded Memory Specification (EMS) Standard Version 4.0, without having to purchase additional hardware	Enables applications to access memory beyond the MS-DOS limitation of 640 Kbytes and allows fast and efficient manipulation of large amounts of data
Disk Cache	Increases the performance of fixed disk drive read operations by improving access to data stored on the fixed disk drive	Increases productivity by providing faster access to frequently used data

Memory Expansion

The COMPAQ SLT/286 Personal Computer is configured with 640 Kbytes of RAM. Standard memory can be increased to a maximum system total of 3.6 megabytes by using up to three 1-Megabyte Memory Boards. The Memory Boards provide expanded memory under the Lotus/Intel/Microsoft (LIM) Expanded Memory

Specification (EMS) Standard, Version 4.0. The additional memory may also be used as extended memory. Each memory board provides a maximum of 1.0 megabytes. The following flowchart illustrates the COMPAQ SLT/286 memory expansion options:



Technical Specifications

System Unit	ENGLISH	METRIC
Dimensions:		
Height	4.15 in	10.54 cm
Depth	8.50 in	21.59 cm
Width	13.50 in	34.29 cm
Weight:		
Model 40	14 lb	6.3 kg
Model 20	14 lb	6.3 kg
Standalone Power Requirements:		
Nominal Operating Voltage	12 Vdc	12 Vdc
Average Power	8.5 W	8.5 W
Maximum Power	11 W	11 W
Peak Power	17 W	17 W
Temperature Range:		
Operating	50° to 95°F	10° to 35°C
Nonoperating	32° to 140°F	0° to 60°C
Shipping	-4° to 140°F	-20° to 60°C
Relative Humidity (noncondensing):		
Operating	10% to 90%	10% to 90%
Nonoperating	5% to 95%	5% to 95%
Maximum Unpressurized Altitude:		
Operating	10,000 ft	3048 m
Nonoperating	40,000 ft	12192 m

Diskette Drives	1.44-MEGABYTE (STANDARD)	1.2-MEGABYTE (OPTIONAL)	360-KBYTE (OPTIONAL)
Diskette Size	3½-in	5¼-in	5¼-in
Enclosure Unit	Internal	External Storage Module	External Storage Module
LED Indicators:			
Read/Write (high density)	Green	Green	N/A
Read/Write (low density)	Orange	Orange	Orange
Capacity per Diskette: (high/low)	1.44 MB/720 KB	1.2 MB/360 KB	360 KB
Drives Supported	One	One	One
Drive Height	1 in	One-third	One-third

**Diskette
Drives**
(continued)

	1.44-MEGABYTE (STANDARD)	1.2-MEGABYTE (OPTIONAL)	360-KBYTE (OPTIONAL)
Drive Rotation (rpm)	300	360	300
Transfer Rate (bits/sec) (high/low)	500 K/250 K	500 K/300 K	250 K
Bytes Per Sector	512	512	512
Sectors Per Track (high/low)	18/9	15/9	9
Tracks Per Side (high/low)	80/80	80/40	40
Access Times:			
Track-to-Track (ms)	3	3	6
Average (ms)	79	79	80
Settling Time (ms)	15	15	15
Latency Average (ms)	100	84	100
Cylinders (high/low)	80/80	80/40	40
Read/Write Heads	2	2	2

**Fixed Disk
Drives**

	40-MEGABYTE	20-MEGABYTE
Standard Configuration	Model 40	Model 20
LED Indicator	Orange	Orange
Formatted Capacity	42.92 MB	21.41 MB
Drives Supported	One	One
Drive Height	1 in	1 in
Drive Size	3½ in	3½ in
Drive Type(s) Supported	22	2
Transfer Rate (bps)	12 M	10 M
Sector Interleave	1:1	1:1
Access Times: (including settling)		
Track-to-Track (ms)	8	8
Average	29	29
Maximum	50	50
Physical Configuration:		
Cylinders	1053	636
Heads	2	2
Sectors Per Track	40	33
Bytes Per Sector	512	512

**Fixed Disk
Drives***(continued)*

	40-MEGABYTE	20-MEGABYTE
Logical Configuration:		
Cylinders	524	615
Heads	4	4
Sectors Per Track	40	17
Bytes Per Sector	512	512

Tape Drive*(optional)*

	40-MEGABYTE
Enclosure Unit	External Storage Module
LED Indicator	Green
Drive Height	Half
Approximate Operating Times	
Backup and Verify	1 MB/min
Restore	2 MB/min
Format Blank Cartridge	74 min
Maximum Formatted Capacities:	
Per Tape	40.0 MB
Per Track	2.0 MB
Per Data Block (bytes)	16,384
Per Sector (bytes)	1,024
Mechanical Measurements:	
Tape Width	0.25 in (0.64 cm)
Tape Length	205.00 ft (62.48 m)
Tape Speed:	
Read/Write (both directions)	50 ips
Rewind/Fast Forward	70 ips
Tape Format (physical):	
Read/Write (both directions)	Streaming
Track Pattern:	Serpentine
Number of Tracks	20
Number of Blocks Per Track	124
Number of Data Sectors Per Block	16
Percentage of ECC	11.11
Recording Density/Inch	10,000 bits
Flux Reversals/Inch	10,000
Track Density/Inch	83
Data Encoding Method	MFM
Data Transfer Rate (bps)	500K
Error Detection/Correction	CRC/ECC
Tape Cartridge:	
Read/Write	3M DC2000
Read	3M DC1000

Power Supplies

ENHANCED NICAD BATTERY PACK (STANDARD)	ENGLISH	METRIC
Dimensions:		
Height	1.20 in	3.05 cm
Depth	5.40 in	13.72 cm
Width	4.38 in	11.13 in
Weight	1.84 lb	0.84 kg
Power Supply:		
Nominal Open Circuit Voltage	12 VDC	12 VDC
Capacity	2.4 A hours	2.4 A hours
Power	29 W	29 W
Temperature Range:		
Operating	50° to 95°F	10° to 35°C
Fast Charge	50° to 104°F	10° to 40°C
Nonoperating	-4° to 140°F	-20° to 60°C
Shipping	-4° to 140°F	-20° to 60°C
AC ADAPTER (STANDARD)		
Dimensions:		
Height	2.40 in	6.10 cm
Depth	8.60 in	21.84 cm
Width	3.40 in	8.64 cm
Weight	1.75 lb	0.79 kg
Power Supply:		
Operating Voltage	110/220-240 VAC	110/220-240 VAC
Steady State Power	20 W	20 W
Peak Power	33 W	33 W
Operating Current	1 A	1 A
Frequency	50/60 Hz	50/60 Hz
Temperature Range:		
Operating	50° to 95°F	10° to 35°C
Nonoperating	32° to 140°F	0° to 60°C
Shipping	-22° to 140°F	-30° to 60°C

Keyboards

LAPTOP ENHANCED KEYBOARD (STANDARD)	ENGLISH	METRIC
Dimensions:		
Height	0.65 in	1.65 cm
Depth	6.45 in	16.38 cm
Width	13.50 in	34.29 cm
Weight	1.38 lb	0.63 kg
Number of Keys	82 (U.S. English)	83 (other)
Cable Extended Length	24.00 in	60.96 cm
Coil Diameter	0.56 in	1.42 cm
Interface	6-pin mini-DIN connector	6-pin mini-DIN connector

Keyboards
(continued)

EXTERNAL NUMERIC KEYPAD (OPTIONAL)	ENGLISH	METRIC
Dimensions:		
Height	0.80 in	2.00 cm
Depth	6.30 in	16.00 cm
Width	4.90 in	12.45 cm
Weight	0.53 lb	0.24 kg
Number of Keys	24	24
Cable Length	14.50 in	36.80 cm
Interface	SC51-2 Style high-density .05-in connector	SC51-2 Style high-density .05-in connector
COMPAQ ENHANCED KEYBOARD (OPTIONAL)		
	ENGLISH	METRIC
Dimensions:		
Height	1.7 in	4.3 cm
Depth	7.0 in	17.8 cm
Width	18.5 in	47.0 cm
Weight	4.0 lb	1.8 kg
Number of Keys	101	102

Video

COMPAQ VGA BACKLIT DISPLAY (STANDARD)	ENGLISH	METRIC
Dimensions:		
Height (image area)	5.86 in	14.88 cm
Width (image area)	7.81 in	19.84 cm
Diagonal Size	10.00 in	25.4 cm
Display Type	Compensated Supertwist LCD	Compensated Supertwist LCD
Mounting	Internal	Internal
Video Modes Supported	VGA, EGA, or CGA	VGA, EGA, or CGA
Maximum Pixel Resolution	640 x 480	640 x 480
Gray Scales	8/16	8/16
Character Display	80/40 x 25	80/40 x 25
Brightness/Contrast	Adjustable	Adjustable
Horizontal Frequency	30 KHz	30 KHz
Vertical Frequency	70 Hz	70 Hz

Video*(continued)*

ADVANCED GRAPHICS COLOR MONITOR (OPTIONAL)	ENGLISH	METRIC
Type	Color	Color
Mounting	External	External
Dot Pitch	0.29 mm	0.29 mm
Maximum Resolution:		
Text Mode	720 x 400	720 x 400
Graphics Mode	1024 x 768	1024 x 768
Color Scale	Supports up to 256 colors simultaneously	Supports up to 256 colors simultaneously
Brightness and Contrast	Adjustable	Adjustable
Diagonal Size	16.0 in	40.6 cm
Scanning	Non-interlaced	Non-interlaced
Bandwidth	41.0 MHz	41.0 MHz
Horizontal Frequency (Dual-synchronous)	53.5 KHz (31.5 KHz VGA mode)	53.5 KHz (31.5 KHz VGA mode)
Vertical Frequency	66 Hz (70 Hz VGA mode)	66 Hz (70 Hz VGA mode)
Integrated Tilt	5° down, 15° up	5° down, 15° up
Swivel	+1° or -90°	+1° or -90°
Temperature Range:		
Operating (sea level to 7,000 ft)	50° to 95°F	10° to 35°C
Operating (above 7,000 ft)	50° to 86°F	10° to 30°C
Non-operating	30° to 140°F	0° to 60°C
Relative Humidity (noncondensing):		
Operating	10% to 90%	10% to 90%
Nonoperating	10% to 95%	10% to 95%
Altitude (mean sea level):		
Operating	12,000 ft	3658 m
Nonoperating	40,000 ft	12192 m
Dimensions:		
Height	15.0 in	38.1 cm
Depth	15.5 in	39.4 cm
Width	16.0 in	40.6 cm
Weight	40.0 lb	18.2 kg

Video
(continued)

COMPAQ VIDEO GRAPHICS COLOR MONITOR (OPTIONAL)	ENGLISH	METRIC
Type	Color	Color
Mounting	External	External
Dot Pitch	0.31 mm	0.31 mm
Maximum Resolution:		
Text Mode	720 x 400	720 x 400
Graphics Mode	640 x 480	640 x 480
Character Display	80 x 25	80 x 25
Color Scale	Up to 256 colors	Up to 256 colors
Brightness	Adjustable	Adjustable
Diagonal Size	14.0 in	35.56 cm
Bandwidth	30.0 MHz	30.0 MHz
Horizontal Frequency	31.5 KHz	31.5 KHz
Vertical Frequency	60.0/70.0 Hz	60.0/70.0 Hz
Dimensions:		
Height	14.1 in	35.7 cm
Depth	14.6 in	37.0 cm
Width	13.8 in	35.0 cm
Weight	32.0 lb	14.5 kg

COMPAQ VIDEO GRAPHICS MONOCHROME MONITOR (OPTIONAL)	ENGLISH	METRIC
Type	Analog	Analog
Mounting	External	External
Maximum Resolution:		
Text Mode	720 x 400	720 x 400
Graphics Mode	640 x 480	640 x 480
Character Display	80 x 25	80 x 25
Gray Scale	64 Levels	64 Levels
Brightness	Adjustable	Adjustable
Diagonal Size	12.0 in	30.48 cm
Bandwidth	30.0 MHz	30.0 MHz
Horizontal Frequency	31.5 KHz	31.5 KHz
Vertical Frequency	60.0/70.0 Hz	60.0/70.0 Hz
Dimensions:		
Height	10.2 in	26.0 cm
Depth	12.6 in	32.1 cm
Width	11.7 in	29.8 cm
Weight	13.0 lb	5.9 kg

Video (continued)	ADVANCED GRAPHICS 1024 BOARD		
		ENGLISH	METRIC
Operating Modes:	1024 x 768 640 x 480 VGA via VGA pass-through	1024 x 768 640 x 480 VGA via VGA pass-through	1024 x 768 640 x 480 VGA via VGA pass-through
Color Scale Standard:	1024 x 768 640 x 480	16 out of 16.7 million palette 256 out of 16.7 million palette	16 out of 16.7 million palette 256 out of 16.7 million palette
With Optional Memory Expansion:	1024 x 768 640 x 480	256 out of 16.7 million palette 256 out of 16.7 million palette	256 out of 16.7 million palette 256 out of 16.7 million palette
Standard Memory:		512 Kbytes VRAM 128 Kbytes DRAM	512 Kbytes VRAM 128 Kbytes DRAM
Optional Memory Expansion		512 Kbytes VRAM for 1 MB total	512 Kbytes VRAM for 1 MB total
Bus Width		16-Bit ISA (8-/16-bit operation)	16-Bit ISA (8-/16-bit operation)
Graphics Coprocessor		TI 34010 (50-MHz)	TI 34010 (50-MHz)
Scan Frequency (horizontal/vertical):	640 x 480 1024 x 768 1024 x 768 VGA	31.5 KHz/60 Hz 53.5 KHz/66 Hz 48.0 KHz/60 Hz 31.5 KHz/60-70 Hz	31.5 KHz/60 Hz 53.5 KHz/66 Hz 48.0 KHz/60 Hz 31.5 KHz/60-70 Hz
Interface		Analog 15-pin video connector	Analog 15-pin video connector
Environmental Requirements:			
Temperature (with VCC held between 4.74 and 5.25V)		50° to 104°F	10° to 40°C
Humidity		20% to 80%	20% to 80%
Altitude		-100 ft to 8,000 ft	-30 m to 2438 m

Communications	2400-BAUD INTERNAL MODEL (OPTIONAL)		
		ENGLISH	METRIC
Dimensions:			
Height		1.80 in	4.57 cm
Depth		0.78 in	1.98 cm
Width		4.45 in	11.30 cm
Weight		3.46 oz	98.9 gm

Communications
(continued)

2400-BAUD INTERNAL MODEL (OPTIONAL) (continued)	ENGLISH	METRIC
Protocols	Hayes-Compatible 2400-Baud—CCITT V.22 1200-Baud—Bell 212A and CCITT V.22 300-Baud—Bell 103J and CCITT V.21	Hayes-Compatible 2400-Baud—CCITT V.22 1200-Baud—Bell 212A and CCITT V.22 1200/600-Baud—CCITT V.23 300-Baud—Bell 103J and CCITT V.21
Dial Type	Tone or Pulse	Tone or Pulse

External Expansion

DESKTOP EXPANSION BASE (OPTIONAL)	ENGLISH	METRIC
Dimensions:		
Height	4.3 in	10.8 cm
Depth	13.8 in	34.3 cm
Width	15.1 in	38.1 cm
Weight	14.5 lb	6.6 kg
Slots	Two 8-/16-bit slots	Two 8-/16-bit slots
Power Supply		
Operating Voltage	110/220-240 VAC	110/220-240 VAC
Steady State Power	80 W	80 W
Peak Power	90 W	90 W
Operating Current	2.5 A	2.5 A
Frequency	50/60 Hz	50/60 Hz
Temperature Range:		
Operating	50° to 95°F	10° to 35°C
Nonoperating	32° to 140°F	0° to 60°C
Shipping	-4° to 140°F	-20° to 60°C
EXTERNAL STORAGE MODULE (OPTIONAL)	ENGLISH	METRIC
Dimensions:		
Height	4.12 in	10.47 cm
Depth	9.75 in	24.77 cm
Width	7.50 in	19.05 cm
Weight:		
Without Storage Device	6.25 lb	2.84 kg
With Storage Device	8.25 lb	3.75 kg

**External
Expansion**
(continued)

EXTERNAL STORAGE MODULE (OPTIONAL) (continued)	ENGLISH	METRIC
Power Supply:		
Operating Voltage	110/220-240 VAC	110/220-240 VAC
Steady State Power	15 W	15 W
Peak Power	33 W	33 W
Operating Current	1.5 A	1.5 A
Frequency	50/60 Hz	50/60 Hz
Storage Devices Supported:		
5¼-Inch 1.2-Megabyte Diskette Drive	one	one
40-MB Tape Drive	one	one

Questions and Answers

Q: *How much faster is the 12-MHz 80C286 microprocessor than 10-MHz 80286 microprocessors?*

A: The 12-MHz 80C286 microprocessor in the COMPAQ SLT/286 Personal Computer will run up to 20 percent faster than most 10-MHz 80286 microprocessors.

Q: *What is a CMOS processor? What is the benefit of an 80C287 coprocessor?*

A: The "C" in the 80C286 and 80C287 processor names stands for "CMOS" (Complementary Metal-Oxide Semiconductor). CMOS chips are manufactured through a special process that creates microprocessor chips which use less power but provide the same performance as other microprocessors. For the user of the battery-operated COMPAQ SLT/286, this means that battery power is maximized, providing longer use of the system. A coprocessor is specially designed to run mathematical and numeric-intensive applications. The coprocessor performs mathematical calculations to a higher level of accuracy than the main processor.

Q: *What is the purpose of the Desktop Expansion Base?*

A: The Desktop Expansion Base contains expansion slots for two industry-standard 8-/16-bit expansion boards, which provide increased functionality for the COMPAQ SLT/286 system. For example, a user can install Local Area Network or communications cards in the Desktop Expansion Base. In addition to the two available expansion slots, the COMPAQ SLT/286 Desktop Expansion Base contains three standard interfaces that duplicate interfaces on the COMPAQ SLT/286 system unit: parallel, external VGA monitor, and external enhanced keyboard. Thus a printer, VGA monitor, and keyboard can be permanently attached to the Desktop Expansion Base. Because these devices do not have to be attached to the system itself, the user can make an easy transition from an office to a portable environment without awkward cabling and uncabling each time. Finally, the Desktop Expansion Base trickle-charges or fast-charges the battery when the COMPAQ SLT/286 system is connected to it.

Q: *How does the COMPAQ VGA Backlit Display differ from other laptop displays?*

A: The COMPAQ VGA Backlit Display is a high-quality LCD display that features internal VGA graphics support to provide higher quality text and graphics. The screen provides 8 gray scales in high-resolution mode (640x680) or 16 gray scales in low-resolution mode (320x200), and at 10 inches diagonally, the screen is larger than most laptop screens. This high-contrast display also features a nonglare screen that enhances readability and reduces eye strain, thus increasing productivity. Finally, the COMPAQ VGA Backlit Display has a Screen Save feature to maximize the battery life and provide privacy for the user.

Q: *What is the SLT/286 Power Conservation feature?*

A: Power Conservation is a function of the COMPAQ SLT/286 specifically designed to maximize battery life while the system is being used under battery power. Power Conservation, a combination of hardware and software functions, monitors the system operations and powers-down the different hardware subsystems when they are not being used in order to minimize battery power consumption and maximize the time that you can use the system. Hardware components that are monitored include the microprocessor, fixed disk drive, LCD display, keyboard, and the optional modem. The default time-out values used in Power Conservation can be changed through the SETUP Program or during a user session through the Power Conservation Utility (PWRCON).

Q: *Can any other battery pack be used to operate the COMPAQ SLT/286?*

A: No. The COMPAQ Enhanced NiCad (Nickel Cadmium) Battery Pack that comes standard with the COMPAQ SLT/286 Personal Computer has been specially designed to run the computer. With proper care, the Enhanced NiCad battery pack will last for several years. The battery pack should be kept in the system at all times to prevent damage to the battery pack and to the COMPAQ SLT/286 system. In addition, the battery pack contacts should not come into direct contact with other metal devices. Spare battery packs are available for purchase so that a user can always have an extra fully-charged battery pack on hand.

QUESTIONS AND ANSWERS

10/1/00
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Dear Sirs,
I am writing to you regarding the information provided in your report dated 10/1/00. I have reviewed the data and find it to be consistent with the information provided to me by the relevant parties. I am satisfied that the information is accurate and reliable.

On the basis of the information provided, I am satisfied that the information is accurate and reliable. I am satisfied that the information is accurate and reliable.

I have also reviewed the information provided to me by the relevant parties. I am satisfied that the information is accurate and reliable. I am satisfied that the information is accurate and reliable.

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