

COMPAQ LTE/286 and COMPAQ LTE  
Personal Computers  
*Features/Specifications*

**COMPAQ**

  
It simply works better.



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# The COMPAQ LTE/286 and COMPAQ LTE Personal Computers

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COMPAQ LTE/286 and COMPAQ LTE  
PERSONAL COMPUTERS  
FEATURES/SPECIFICATIONS  
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## Features Overview

### COMPAQ LTE/286

The COMPAQ LTE/286 Personal Computer is the lightweight battery-powered 12-MHz 80C286-based laptop built in the tradition of COMPAQ portable products. Its rugged 8½-inch by 11-inch (21.6 cm by 27.9 cm) form factor and weight of only 6 pounds (2.8 kg) make the COMPAQ LTE/286 one of the lightest, fastest portable products available. A removable Enhanced NiCad Battery Pack comes standard with the COMPAQ LTE/286 to provide more than 3½ hours of continuous battery power.

Within this small package, the user has a choice of three standard mass storage configurations: a 1.44-megabyte diskette drive and a high-performance 40-megabyte fixed disk drive; a 1.44-megabyte diskette drive and a high-performance 20-megabyte fixed disk drive; or a single 1.44-megabyte diskette drive.

The LTE/286 is designed for the user seeking optimal portability, but requiring the processing power of a 286 microprocessor for database applications, extensive spreadsheets, problem solving analysis, electronic mail applications, and more.

The optional 2400-Baud Internal Modem and 12-MHz 80C287 Coprocessor, combined with the standard 640 Kbytes of random access memory



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COMPAQ LTE/286 Personal Computer

(RAM) expandable to 2.6 megabytes, easy-to-read COMPAQ EL Backlit Supertwist Display, keyboard with 101-/102-key compatibility, and soft-zippered Slipcase provide 80C286 users with a laptop they will want to take anywhere.

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## Standard Models and Options

**MODEL 40**

- 640 Kbytes of memory (RAM)
- One 3½-Inch 1.44-Megabyte Diskette Drive
- One 40-Megabyte Fixed Disk Drive  
(<29 ms average access time, 1:1 interleave)

**MODEL 20**

- 640 Kbytes of memory (RAM)
- One 3½-Inch 1.44-Megabyte Diskette Drive
- One 20-Megabyte Fixed Disk Drive  
(<29 ms average access time, 1:1 interleave)

**MODEL 1**

- 640 Kbytes of memory (RAM)
- One 3½-Inch 1.44-Megabyte Diskette Drive

**STANDARD FEATURES ON ALL MODELS**

- 12-MHz 80C286 Microprocessor
- Enhanced NiCad Battery Pack
- 3½-Inch 1.44-Megabyte Diskette Drive
- COMPAQ EL Backlit Supertwist Display
- 101-/102-Key Compatible Keyboard
- AC Adapter
- 80C287 Coprocessor Socket
- Power-on Password Security
- Real-Time Clock/Calendar
- Slipcase
- Parallel Interface
- Asynchronous Communications Interface
- External CGA Monitor Interface
- External Storage Module Interface
- External Numeric Keypad Interface
- Full One-Year Worldwide Limited Warranty

**OPTIONS**

- 40-Megabyte Fixed Disk Drive
- 20-Megabyte Fixed Disk Drive
- 3½-Inch 1.44-Megabyte Diskette Drive
- 2400-Baud Internal Modem
- 2-Megabyte Memory Board
- 1-Megabyte Memory Board
- 12-MHz 80C287 Coprocessor
- External Storage Module, to be used with one of the following:
  - 5¼-Inch 1.2-Megabyte Diskette Drive
  - 5¼-Inch 360-Kbyte Diskette Drive
  - 40-Megabyte Tape Drive
- External Fast Charger/AC Adapter
- Automobile Adapter
- Battery Pack
- External Numeric Keypad
- Carrying Case
- Asynchronous Communications Interface Board
- 40-Megabyte Tape Cartridge (DC 2000)
- MS-DOS® Version 4 as published by Compaq
- MS-DOS Version 3 as published by Compaq
- *Technical Reference Guide*  
COMPAQ LTE Personal Computer  
COMPAQ LTE/286 Personal Computer

## COMPAQ LTE

The COMPAQ LTE Personal Computer is the lightweight, battery-powered laptop for basic computing needs. Based on the 9.54-MHz 80C86 microprocessor, the rugged 8½-inch by 11-inch (21.6 cm by 27.9 cm) form factor and weight of only 6 pounds (2.8 kg) make the COMPAQ LTE the lightest laptop for basic business computing. A removable Enhanced NiCad Battery Pack comes standard with the COMPAQ LTE to provide more than 3½ hours of continuous battery power.

Within this small package, the user has a choice of two standard mass storage configurations: a 1.44-megabyte diskette drive and a high-performance 20-megabyte fixed disk drive; or a single 1.44-megabyte diskette drive.

COMPAQ LTE is designed for the user requiring optimal portability with basic computing capabilities for spreadsheets, databases, word processing, electronic mail, and more.

The optional 2400-Baud Internal Modem, combined with the standard 640 Kbytes of random access memory (RAM) expandable to 1 megabyte, easy-to-read COMPAQ EL Backlit Supertwist



COMPAQ LTE Personal Computer

Display, keyboard with 101-/102-key compatibility, and soft-zippered Slipcase make the COMPAQ LTE the basic personal computer users will want to take anywhere.

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## Standard Models and Options

### MODEL 20

- 640 Kbytes of memory (RAM)
- One 3½-Inch 1.44-Megabyte Diskette Drive
- One 20-Megabyte Fixed Disk Drive (<29 ms average access time, 1:1 interleave)

### MODEL 1

- 640 Kbytes of memory (RAM)
- One 3½-Inch 1.44-Megabyte Diskette Drive

### STANDARD FEATURES ON ALL MODELS

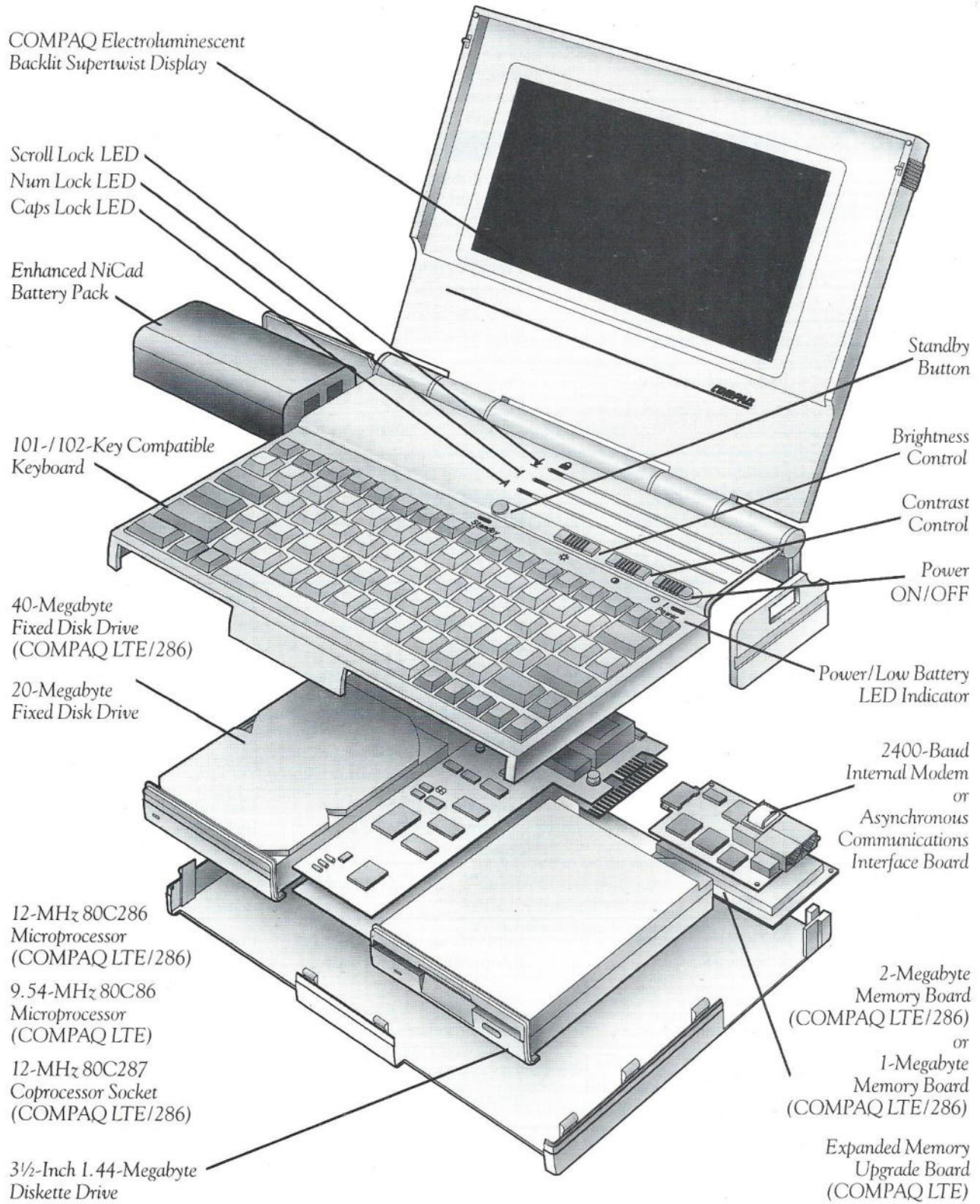
- 9.54-MHz 80C86 Microprocessor
- Enhanced NiCad Battery Pack
- 3½-Inch 1.44 Megabyte Diskette Drive
- COMPAQ EL Backlit Supertwist Display
- 101-/102-Key Compatible Keyboard
- AC Adapter
- Power-on Password Security
- Real-Time Clock/Calendar
- Slipcase
- Parallel Interface
- Asynchronous Communications Interface
- External CGA Monitor Interface
- External Storage Module Interface
- External Numeric Keypad Interface
- Full One-Year Worldwide Limited Warranty

### OPTIONS

- 20-Megabyte Fixed Disk Drive
- 3½-Inch 1.44-Megabyte Diskette Drive
- 2400-Baud Internal Modem
- Expanded Memory Upgrade Board
- External Storage Module, to be used with one of the following:
  - 5¼-Inch 1.2-Megabyte Diskette Drive
  - 5¼-Inch 360-Kbyte Diskette Drive
  - 40-Megabyte Tape Drive
- External Fast Charger/AC Adapter
- Automobile Adapter
- Battery Pack
- External Numeric Keypad
- Carrying Case
- Asynchronous Communications Interface Board
- 40-Megabyte Tape Cartridge (DC 2000)
- MS-DOS Version 4 as published by Compaq
- MS-DOS Version 3 as published by Compaq
- *Technical Reference Guide*
- *COMPAQ LTE Personal Computer*
- *COMPAQ LTE/286 Personal Computer*



### COMPAQ LTE/286 and COMPAQ LTE



## Features/Functions/Benefits

### COMPAQ LTE/286

Microprocessor	FEATURE	FUNCTION	BENEFIT
	12-MHz 80C286 Microprocessor	Low-power, high-performance CMOS processor	Maximizes battery operating life by reducing power demands
		Processes information up to 20 percent 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	Increases data processing speed, thereby increasing productivity
	Dual processing speeds (12- and 8-MHz)	Maintains compatibility with software that requires a lower processing speed	Protects existing software investment
<b>Coprocessor</b>	80C287 Coprocessor Socket	System board designed to readily accommodate a coprocessor	Allows easy installation of an optional numeric coprocessor
	12-MHz 80C287 Coprocessor (optional)	Increases calculation speed for numeric-intensive applications	Reduces processing time of numeric-intensive business applications, such as spreadsheets
		Low-power, high-performance CMOS coprocessor	Maximizes battery operating life
<b>System Memory</b>	640 Kbytes of memory (standard)	Supports up to 640 Kbytes of information for processing	Provides enough standard memory to meet most user needs
	Expandable to 1.6 or 2.6 megabytes (optional)	Accommodates one additional 1-Megabyte or 2-Megabyte Memory Board internally	Provides sufficient RAM expansion to run larger business applications
	Supports LIM Version 4.0	Provides access to memory above 640 Kbytes through the COMPAQ Expanded Memory Manager (CEMMP)	Allows fast and efficient manipulation of larger amounts of data in memory

**COMPAQ LTE****Microprocessor**

FEATURE	FUNCTION	BENEFIT
9.54-MHz 80C86 Microprocessor	Low-power, high-performance CMOS processor	Maximizes battery operating life by reducing power demands
16-bit architecture	Processes data at 16 bits per CPU cycle	Increases data processing speed, thereby increasing productivity
Dual processing speeds (9.54- and 4.77-MHz)	Maintains compatibility with software requiring a lower processing speed	Protects existing software investment

**System Memory**

640 Kbytes of memory (standard)	Supports up to 640 Kbytes of information for processing needs	Provides enough standard memory to meet most user needs
Expandable to 1 megabyte (optional)	Accommodates one Expanded Memory Upgrade Board internally	Provides sufficient RAM expansion to run basic business applications
Supports LIM Version 4.0	Provides access to memory above 640 Kbytes through the COMPAQ Expanded Memory Manager (CEMMP)	Allows fast and efficient manipulation of larger amounts of data in memory

**COMPAQ LTE/286 and COMPAQ LTE****Clock**

FEATURE	FUNCTION	BENEFIT
Real-time battery-powered clock/calendar on the system board	Provides current date and time at power-on or system reset	Clock does not have to be reset each time the unit is turned on

**Diskette Drives**

3½-Inch 1.44-Megabyte (standard)	Reads from and writes to both 1.44-megabyte and 720-Kbyte 3½-inch diskettes	Provides small, durable media for portable environment  Allows convenient data transfer between laptop and desktop personal computers
External 5¼-Inch 1.2-Megabyte (optional)	Reads from and writes to 1.2-megabyte diskettes and reads 360-Kbyte diskettes	Protects software investment by offering compatibility with existing media  Allows convenient data transfer between laptop and desktop personal computers

	FEATURE	FUNCTION	BENEFIT
<b>Diskette Drives</b> <i>(continued)</i>	External 5¼-Inch 360-Kbyte (optional)	Reads from and writes to 360-Kbyte diskettes	Protects software investment by offering compatibility with existing media
			Allows convenient data transfer between laptop and desktop personal computers
<b>Fixed Disk Drives</b>	System supports one of the following high-performance disk drives: • 40-Megabyte (COMPAQ LTE/286 only) • 20-Megabyte	High-capacity fixed disk drives with less than 29 ms average access time and 1:1 interleave	Provides greater storage capacity and high performance in a portable environment
		Low-power consumption modes built in	Maximizes battery operating life
		Provides maximum storage capacity	Increased storage for multiple applications
<b>Tape Drive (optional)</b>	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 the fixed disk drive
<b>External Storage Module (optional)</b>	Enclosure for an external 5¼-Inch Diskette Drive or 40-Megabyte Tape Drive	Allows data exchange between different storage media	Allows COMPAQ LTE/286 and COMPAQ LTE to meet a wide variety of storage media needs
		Permits initializing the system from an external diskette drive	Maintains compatibility with existing software
<b>Display</b>	COMPAQ EL (Electroluminescent) Backlit Supertwist Display	Provides a high quality backlit LCD Display	A high-contrast display that is easy to read
		Nonglare screen	Enhances readability and reduces eye strain
	CGA compatible	Supports 640 × 200 resolution, and 4 gray shades	Compatible with standard business applications, providing text and graphics capabilities

	FEATURE	FUNCTION	BENEFIT
<b>Display</b> (continued)	9.0 in (22.9 cm) diagonal screen	80 or 40 characters × 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 various lighting conditions  Conserves power consumption, thus extending the operating life of the battery
<b>Keyboard</b>	Standard 80-/81-key keyboard layout	Familiar layout including: <ul style="list-style-type: none"> <li>• 12 programmable function keys</li> <li>• dedicated cursor- and screen-control keys</li> <li>• standard spacing</li> </ul>	Provides desktop keyboard functionality
		101-/102-key compatible keyboard	Provides compatibility with existing hardware and software
	LED indicators	Indicate the ON/OFF state of the SCROLL LOCK, NUM LOCK, and CAPS LOCK keys	Increases accuracy of data input through the easy recognition of keyboard status
	Embedded numeric keypad	Provides an area on the keyboard for numeric input	Enables convenient input for numeric-intensive applications
Provides an area on the keyboard for cursor- and screen-control movement		Enables convenient cursor- and screen-control movement	
<b>Standard Interfaces</b>	Five Interfaces <ul style="list-style-type: none"> <li>• Parallel</li> <li>• Asynchronous Communications (Serial)</li> <li>• External CGA Monitor</li> <li>• External Storage Module</li> <li>• External Numeric Keypad</li> </ul>	Allow for connection of external devices	Offer flexibility in choosing external devices at no incremental cost for interfaces and without requiring an expansion slot

## Power Supplies

FEATURE	FUNCTION	BENEFIT
Enhanced NiCad Battery Pack (standard) DC power source	Provides more than 3½ hours for COMPAQ LTE/286 and COMPAQ LTE during normal system use on a single charge	Provides sufficient power for system use when AC power is not accessible
Battery Pack (optional)	Easily-replaceable battery pack	Allows the user to easily replace a low battery with a fully-charged battery during extended non-AC operating times
Internal recharge capability	Battery can be fully recharged in 8 to 10 hours while the system is connected to an AC Adapter or to an External Fast Charger/AC Adapter	Allows the user to recharge the battery continually whether or not the system is being used
Power/low-battery indicator	LED indicator and audible signals that alert the user to a low battery state	Notifies user to save data before battery power runs out
AC Adapter (standard) AC power source	Plugs directly into the system unit to provide AC power and simultaneously charge the battery internally in 8 to 10 hours	Allows the system to be used while the battery is being recharged internally  Allows the user to conserve battery life when AC power is available
14.75-watt power supply	Converts AC power to DC power	Provides sufficient power to run all system unit components
Automatic line switching (110V to 240V)	Automatically adjusts to the voltage of incoming power	Provides system flexibility for international travel
External Fast Charger/AC Adapter (optional) AC power source	Provides either AC power and battery charge capability to the system or external fast charge capability	Provides a fast, convenient way to maintain a fully-charged battery

	FEATURE	FUNCTION	BENEFIT
<b>Power Supplies</b> (continued)	<b>External Fast Charger/ AC Adapter (optional)</b>		
	Battery fast charge capability	Fully recharges the battery external to the system in 1½ hours	Provides a fast, convenient way to maintain a fully charged battery
	AC power and internal recharge capability	When not acting as a Fast Charger, it can provide AC power to the unit and simultaneously charge the battery internally in 8 to 10 hours	Allows the system to be used on AC power while the internal battery is being recharged
	Deep cycle charge	Minimizes battery "Memory Effect" by fully discharging the battery pack and recharging it to peak level	Extends life of the battery pack and ensures that batteries are producing maximum power levels
	<b>Automobile Adapter (optional)</b>		
	DC power source	Powers the main system and recharges the internal battery pack while plugged into a vehicle cigarette lighter	Makes an alternate power source accessible
<b>Accessories</b>	Slipcase (standard)	Provides a soft-zippered cover with a handle for the system unit when carried or stored in a briefcase	Protects the system unit against marks or scratches
<b>Options</b>	2400-Baud Internal Modem • Hayes-compatible • Tone/pulse dialing • Full- or half-duplex • Auto answer/originate	Provides communications capabilities within either the COMPAQ LTE/286 or COMPAQ LTE	Frees the Asynchronous Communications Interface for other serial devices and maintains compatibility with industry-standard communications software
	Asynchronous Communications (Serial) Interface Board	Supplies an additional internal 9-pin serial port, using the internal modem/serial slot	Provides additional system configuration flexibility in an environment requiring a serial device, such as an external modem, mouse, or printer.

Options (continued)	FEATURE	FUNCTION	BENEFIT
	External Numeric Keypad	Provides separate area for numeric input and cursor movement	Enables faster numeric input and cursor movement while maintaining full keyboard functionality
	Carrying Case	Stores the system unit while being hand-carried and accommodates the AC Adapter, other options, and miscellaneous briefcase items	Enhances portability by enabling user to keep the unit and options together in an easy-to-carry package
<b>Physical Characteristics</b>	Dimensions: • Height 1.9 in (4.8 cm) • Depth 8.5 in (21.6 cm) • Width 11.0 in (27.9 cm)	A compact, highly portable unit	Easy to carry and small enough to be taken anywhere
	Weight: COMPAQ LTE/286 • Model 1—6.2 lb (2.8 kg) • Models 20/40— 6.7 lb (3.0 kg)	Provides 80C286 computing in a lightweight, easy-to-carry system	Gives the user 80C286 computing capabilities in a highly portable unit weighing only 6 pounds
	COMPAQ LTE • Model 1—6.2 lb (2.8 kg) • Model 20—6.7 lb (3.0 kg)	Provides basic business computing in a lightweight, easy-to-carry system	Gives the user standard computing capabilities in a highly portable unit weighing only 6 pounds
<b>Software Utilities</b>	Power-on Password	Permits the user to set a password to be entered when the system is turned on	Provides data security by limiting access to the system
	Advanced Display Attribute Programming Tool (ADAPT)	Enables the adjustment of gray shades on the screen	Optimizes readability of text on the display
	Power Conservation Utility (PWRCON)	Allows user modification of the timeout values used to power-down specific sub-systems during periods of inactivity	Gives the user control over system and component battery power consumption to extend usable time
	Screen Save	A user-modifiable software feature that automatically 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



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**Software Utilities**  
*(continued)*

FEATURE	FUNCTION	BENEFIT
COMPAQ Expanded Memory Manager (CEMMP)	Supports the Lotus/Intel/Microsoft (LIM) Expanded Memory Specification (EMS) Standard, Version 4.0	Enables applications to access memory beyond the MS-DOS limitation of 640 Kbytes and allows fast and efficient manipulation of data
Disk Cache	Increases the performance of fixed disk drive operations by improving the access time to data stored on the fixed disk drive	Increases productivity by providing faster access to frequently used data

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**Operating Systems**

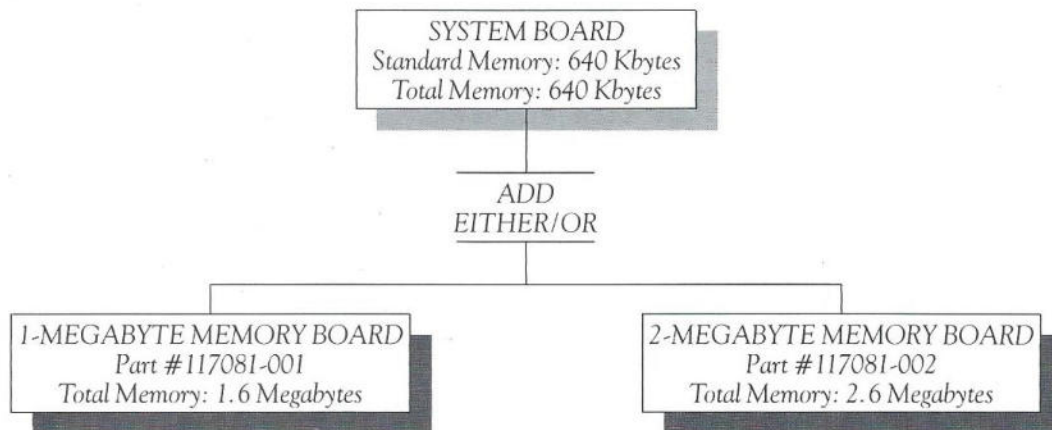
MS-DOS Version 4 as published by Compaq (optional)	Includes MS-DOS shell graphics interface and COMPAQ FASTART installation and upgrade utility; can take advantage of LIM 4.0 for expanded memory enhancements; and supports logical partitions up to the fixed disk drive size	Increases productivity through ease-of-use improvements, expanded memory usage, and greater fixed disk drive partition size
MS-DOS Version 3 as published by Compaq (optional)	Breaks the 32-megabyte barrier and supports logical partitions up to the fixed disk drive size	Ensures compatibility with the installed software base and allows greater use of large-capacity fixed disk drives

# Memory Expansion

## COMPAQ LTE/286

The COMPAQ LTE/286 Personal Computer features 640 Kbytes of memory (RAM) standard on the system board. Memory can be increased to either 1.6 megabytes with the addition of the 1-Megabyte Memory Board or to 2.6 megabytes with the addition of the 2-Megabyte Memory

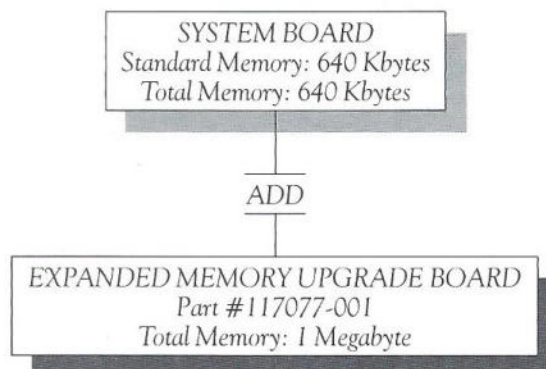
Board. Both the 1-Megabyte and the 2-Megabyte Memory Board provide expanded memory support under the Lotus®/Intel®/Microsoft® (LIM) Expanded Memory Specification (EMS) Standard, Version 4.0. Memory above one megabyte may also be used as extended memory.



## COMPAQ LTE

The COMPAQ LTE Personal Computer features 640 Kbytes of memory (RAM) standard on the system board. Memory can be increased to a maximum of 1 megabyte with the addition of the Expanded Memory Upgrade Board. This board installs in the

internal options compartment to provide expanded memory support under the Lotus/Intel/Microsoft (LIM) Expanded Memory Specification (EMS) Standard, Version 4.0.



# Technical Specifications

System Unit	ENGLISH	METRIC
Dimensions:		
Height	1.9 in	4.8 cm
Depth	8.5 in	21.6 cm
Width	11.0 in	27.9 cm
Weight (including system unit, display and battery):		
Model 1	6.2 lb	2.8 kg
Models 20 or 40	6.7 lb	3.0 kg
Standalone Power Requirements:		
COMPAQ LTE/286:		
• Nominal Operating Voltage	5 VDC	5 VDC
• Average Power	7.5 W	7.5 W
• Maximum Power	9.2 W	9.2 W
COMPAQ LTE:		
• Nominal Operating Voltage	5 VDC	5 VDC
• Average Power	6.0 W	6.0 W
• Maximum Power	8.7 W	8.7 W
Temperature Range:		
Operating	50° to 104°F	10° to 40°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 3½-INCH (STANDARD/OPTIONAL)	1.2-MEGABYTE 5¼-INCH (OPTIONAL)	360-KBYTE 5¼-INCH (OPTIONAL)
Enclosure Unit	System Unit	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	2	1	1
Drive Height	0.75 in (1.9 cm)	Third	Third

**Diskette Drives**  
*(continued)*

	1.44-MEGABYTE 3½-INCH (STANDARD/OPTIONAL)	1.2-MEGABYTE 5¼-INCH (OPTIONAL)	360-KBYTE 5¼-INCH (OPTIONAL)
Drive Rotation (rpm)	300	360	300
Transfer Rate (bits per 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 (ms):			
Track-to-Track	3	3	6
Average	80	80	80
Settling Time	15	15	15
Latency Average	100	84	100
Cylinders (high/low)	80/80	80/40	40
Read/Write Heads	2	2	2

**Fixed Disk  
Drives**

	40-MEGABYTE (COMPAQ LTE/286 only)	20-MEGABYTE
Standard Configuration	Model 40	Model 20
LED Indicator	Green	Green
Formatted Capacity	42.6 MB	21.4 MB
Drives Supported	1	1
Drive Height	0.75 in (1.9 cm)	0.75 in (1.9 cm)
Drive Size (inch)	3½	3½
Drive Type(s)	53	54 (COMPAQ LTE/286 only) 2 (COMPAQ LTE only)
Transfer Rate (Mbits per sec)	10	9
Sector Interleave	1:1	1:1
Access Times (including settling)(ms):		
Track-to-Track	8	8
Average	<29	<29
Maximum	50	50
Physical Configuration:		
Cylinders	1096	615
Heads	2	2
Sectors Per Track	38	34
Bytes Per Sector	512	512
Logical Configuration:		
Cylinders	548	615
Heads	4	4
Sectors Per Track	38	17
Bytes Per Sector	512	512

**Tape Drive  
(optional)**

		40-MEGABYTE
Enclosure Unit		External Storage Module
LED Indicator		Green
Drive Height		1.6 in (4.1 cm)
Approximate Operating Speeds:		
Backup and Verify		1 MB/min
Restore		2 MB/min
Format Blank Cartridge		74 min
Mechanical Measurements:		
Tape Width		0.25 in (0.64 cm)
Tape Length		205 ft (62.48 m)
Maximum Formatted Capacities:		
Per Tape		40 MB
Per Track		2 MB
Per Data Block		16,384 bytes
Per Sector		1,024 bytes
Tape Speed (in/sec):		
Read/Write (both directions)		50
Rewind/Fast Forward		70
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 (bits)		10,000
Flux Reversals/Inch		10,000
Tracks/Inch		83
Data Encoding Method		MFM
Data Transfer Rate (bits/sec)		500 K
Error Detection/Correction		CRC/ECC
Tape Cartridge:		
Read/Write		3M DC 2000
Read		3M DC 1000

**Power Supplies**

ENHANCED NICAD BATTERY PACK (STANDARD)	ENGLISH	METRIC
Dimensions:		
Height	1.4 in	3.5 cm
Depth	4.8 in	12.2 cm
Width	2.6 in	6.6 cm
Weight	1.5 lb	0.7 kg
Nominal Open Circuit Voltage	4.8 VDC	4.8 VDC
Capacity	5.0 AH	5.0 AH
Power	24 W	24 W

**Power Supplies**  
*(continued)*

ENHANCED NICAD BATTERY PACK (STANDARD)	ENGLISH	METRIC
Temperature Range:		
Operating	50° to 104°F	10° to 40°C
Nonoperating	32° to 122°F	0° to 50°C
Shipping	32° to 122°F	0° to 50°C
AC ADAPTER (STANDARD)	ENGLISH	METRIC
Dimensions:		
Height	2.0 in	5.1 cm
Depth	3.2 in	8.1 cm
Width	5.2 in	13.2 cm
Weight	0.9 lb	0.4 kg
Operating Voltage	110 to 240 VAC	110 to 240 VAC
Steady-State Power	15.5 W	15.5 W
Peak Power	22 W	22 W
Operating Current	0.5 A	0.5 A
Frequency	50 to 60 Hz	50 to 60 Hz
Temperature Range:		
Operating	50° to 104°F	10° to 40°C
Nonoperating	-22° to 140°F	-30° to 60°C
Shipping	-22° to 140°F	-30° to 60°C
EXTERNAL FAST CHARGER/AC ADAPTER (OPTIONAL)	ENGLISH	METRIC
Dimensions:		
Height	5.4 in	13.7 cm
Depth	3.6 in	9.1 cm
Width	3.4 in	8.6 cm
Weight	3.0 lb	1.4 kg
Operating Voltage	110 to 240 VAC	110 to 264 VAC
Steady-State Power	25 W	25 W
Peak Power	32 W	32 W
Operating Current	1.2 A	1.2 A
Frequency	47 to 63 Hz	47 to 63 Hz
Temperature Range:		
Operating	50° to 104°F	10° to 40°C
Nonoperating	-22° to 140°F	-30° to 60°C
Shipping	-22° to 140°F	-30° to 60°C
AUTOMOBILE ADAPTER (OPTIONAL)	ENGLISH	METRIC
Dimensions:		
Height	1.7 in	4.3 cm
Depth	4.5 in	11.4 cm
Width	1.7 in	4.3 cm
Weight	2.0 lb	0.9 kg

**Power Supplies**  
(continued)

AUTOMOBILE ADAPTER (OPTIONAL)	ENGLISH	METRIC
Power Supply:		
Operating Voltage	9 VDC to 18 VDC	9 VDC to 18 VDC
Steady-State Power	15.5 W	15.5 W
Peak Power	22 W	22 W
Operating Current	2 A	2 A
Temperature Range:		
Operating	40° to 104°F	5° to 40°C
Nonoperating	-40° to 140°F	-40° to 60°C
Shipping	-40° to 140°F	-40° to 60°C

**Keyboards**

KEYBOARDS	ENGLISH	METRIC
Number of Keys	80 (U.S. English)	81 (other)
EXTERNAL NUMERIC KEYPAD (OPTIONAL)	ENGLISH	METRIC
Dimensions:		
Height	0.8 in	2.0 cm
Depth	6.0 in	15.2 cm
Width	3.4 in	8.6 cm
Weight	0.3 lb	0.1 kg
Number of Keys	24	24
Cable Length	24 in	60.9 cm
Interface	1/8-inch 2-conductor plug	1/8-inch 2-conductor plug

**Display**

COMPAQ EL BACKLIT SUPERTWIST DISPLAY (STANDARD)	ENGLISH	METRIC
Dimensions (viewable area):		
Height	4.0 in	10.2 cm
Width	8.0 in	20.3 cm
Diagonal Size	9.0 in	22.9 cm
Display Type	Supertwist LCD	Supertwist LCD
Mounting	Internal	Internal
Video Mode Supported	CGA	CGA
Maximum Pixel Resolution	640 x 200	640 x 200
Gray Scale Supported	4	4
Character Display	80/40 x 25	80/40 x 25
Brightness/Contrast	Adjustable	Adjustable
Horizontal Frequency	19 KHz	19 KHz
Vertical Frequency	94 Hz	94 Hz

**Communications**

2400-BAUD INTERNAL MODEM (OPTIONAL)	ENGLISH	METRIC
Dimensions:		
Height	0.8 in	2.0 cm
Depth	3.8 in	9.6 cm
Width	2.3 in	5.8 cm
Weight		
	2.0 oz	56.7 gm
	U.S.	LOCALIZED
Protocols:		
	Hayes-compatible	Hayes-compatible
	CCITT V.22 bis (2400 bps)	CCITT V.22 bis (2400 bps)
	CCITT V.22 (1200 bps)	CCITT V.22 (1200 bps)
	CCITT V.21 (300 bps)	CCITT V.21 (300 bps)
	BELL 212A (1200 bps)	CCITT V.23 (1200/75 bps)
	BELL 103J (300 bps)	BELL 212A (1200 bps)
		BELL 103J (300 bps)
Dial Type		
	Tone or Pulse	Tone or Pulse
ASYNCHRONOUS COMMUNICATIONS INTERFACE BOARD	ENGLISH	METRIC
Dimensions:		
Height	0.8 in	2.0 cm
Depth	3.8 in	9.6 cm
Width	2.3 in	5.8 cm
Weight		
	2.0 oz	56.7 gm
Interface		
	9-pin	9-pin

**External Expansion**

EXTERNAL STORAGE MODULE (OPTIONAL)	ENGLISH	METRIC
Dimensions:		
Height	2.3 in	5.8 cm
Depth	12.0 in	30.5 cm
Width	6.5 in	16.5 cm
Weight:		
Without Storage Device	2.6 lb	1.2 kg
With Storage Device	4.5 lb	2.0 kg
Power Supply:		
Operating Voltage	110 to 240 VAC	110 to 240 VAC
Steady-State Power	8 W	8 W
Peak Power	27 W	27 W
Operating Current	300 mA	300 mA
Frequency		
	47 to 63 Hz	47 to 63 Hz
Interface		
	28-pin	28-pin
Storage Devices Supported:		
5¼-Inch 1.2 Megabyte Diskette Drive	1	1
5¼-Inch 360-Kbyte Diskette Drive	1	1
40-Megabyte Tape Drive	1	1



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## Questions and Answers

*Q. What is the difference between a COMPAQ LTE/286 and COMPAQ LTE user?*

**A.** COMPAQ LTE/286 is designed for the user desiring exceptional portability, but whose computing needs require the power of a 12-MHz 80C286 microprocessor. COMPAQ LTE, based on the 9.54-MHz 80C86 microprocessor, is designed for the basic user desiring exceptional portability and sufficient processing power for basic business applications. Both user types require standard PC features, 3 1/2-inch 1.44-megabyte diskette drive and high-performance fixed disk drive, in the smallest possible package.

*Q. Is expanded memory supported on the COMPAQ LTE/286 and COMPAQ LTE?*

**A.** Expanded memory support as defined by the Lotus/Intel/Microsoft (LIM) Expanded Memory Specification (EMS) is provided when memory is expanded beyond 640K in the COMPAQ LTE/286 or COMPAQ LTE along with the COMPAQ CEMMP utility. CEMMP is provided on the USER PROGRAMS diskette Version 6.03 or later and is included with MS-DOS Version 4.01 as published by Compaq.

*Q. Can the External Fast Charger/AC Adapter charge an external battery and power the system at the same time?*

**A.** The Fast Charger/AC Adapter will not simultaneously charge an external battery and provide power to the computer. Whenever the Fast Charger/AC Adapter has a battery installed, it functions as an external battery charger until the external battery is fully charged. After the external battery is charged, the Fast Charger/AC Adapter will function as an AC Adapter providing power to the computer and providing a standard charge to the internal battery.

*Q. Can the new External Storage Module be used on the COMPAQ SLT/286 as well as the COMPAQ LTE/286 and COMPAQ LTE?*

**A.** Yes. An Interface Adapter is provided with each External Storage Module option to provide the COMPAQ SLT/286 user the capability of using the new, smaller External Storage Module.

*Q. Is the 12-MHz 80C287 coprocessor for the COMPAQ LTE/286 the same as the coprocessor for the COMPAQ SLT/286?*

**A.** No. The COMPAQ LTE/286 uses a new low profile and smaller packaged 12-MHz 80C287 coprocessor than the coprocessor used for the COMPAQ SLT/286.





