

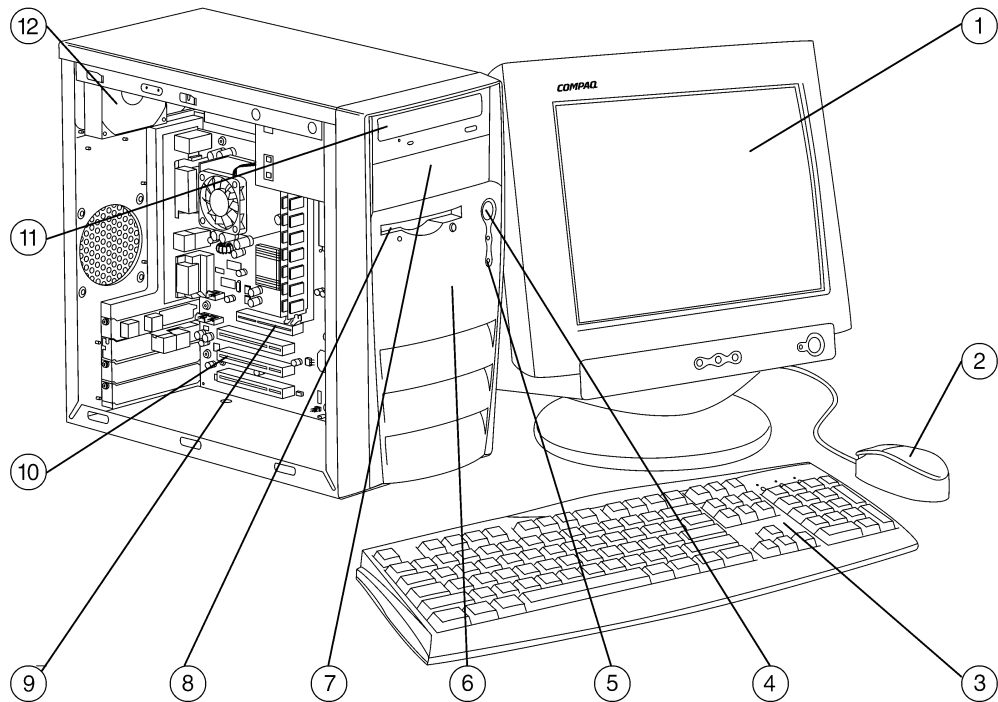
Overview

What's New

- Intel® Pentium® 4 with 400-MHz Front Side Bus
- Intel 845 chipset
- NVIDIA Vanta 16-MB 4X AGP
- Windows® XP Home or Windows XP Professional
- 3 DIMM slots
- 250-watt power supply

At A Glance

- Carbon Color Chassis
- Energy STAR qualification
- Level 4 ESD qualification
- CarePac™ upgrades offered by regions
- AGP slot for graphics upgrades
- PC133 SDRAM Memory
- Integrated AC '97 audio
- Integrated Intel PRO/100 VE Network Connection
- Service-friendly design
- Protected by Compaq Services, including a one-year (1-1-1), limited warranty. Terms and conditions vary by country. Certain restrictions and exclusions apply.



- | | |
|---|-----------------------------|
| 1. Compaq 5500 CRT Monitor
(sold separately) | 7. 5-1/4 Inch Expansion Bay |
| 2. 2-Button Scroll Mouse | 8. 1.44-MB Diskette Drive |
| 3. 104-Key Windows Keyboard | 9. AGP Graphics Slot |
| 4. Dual-State Power Button | 10. PCI Expansion Slots |
| 5. LED Indicators | 11. 48X CD-ROM Drive |
| 6. Ultra ATA/100 Hard Drive | 12. 250-Watt Power Supply |

Standard Features – Model Definitions

Pre-Configured Models

*(Geos to localize with favorable
configuration models and part numbers)*

Model Key

Example:

P1.7/845/20/128/C/I/9

P1.7 =

Pentium 4 1.7-GHz processor

845=

Chipset designation

20 =

Hard Drive

128 =

Memory

I =

NVIDIA Vanta 16-MB AGP graphics

C =

CD-ROM Drive

9 =

Microsoft® Windows XP Home

6 =

Windows XP Professional

Standard Features – Pre-Configured Components

Chipset	Intel 845		
Processor and Speed	Intel Pentium 4 Processors	Standard L2 Cache	256-KB Integrated ECC
<i>One of the following</i>	1.6-GHz	Front Side Bus	400-MHz
	1.7-GHz	Maximum Memory	1.5-GB
	1.8-GHz		
Note: Compaq <i>Evo</i> ™ D300v Series Microtower with 845 chipset contains three DIMM slots, but can only be upgraded to a maximum of 3-GB when 1-GB PC133 SDRAM are available.			
Hard Drives	20-GB 5400 rpm Ultra™ ATA/100 Hard Drive		
Standard Memory	128-MB (PC133MHz SDRAM Memory)		
Removable Storage	1.44-MB Diskette Drive		
Optical Storage	48X CD-ROM Drive		
Keyboard	Windows 104-key Keyboard Easy Access Keyboard (<i>available in EMEA only</i>)		
Mouse	2-Button Scroll Mouse		
Audio	Integrated AC '97 Audio with ADI 1885 audio codec (<i>requires external speakers</i>)		
Network Controller	Integrated Intel PRO/100 VE Network Connection with WOL		
Graphics	NVIDIA Vanta 16-MB 4X AGP card		

Standard Features – System Features

System Unit		
Dimensions (HxWxD)	35.6 x 18 x 49.1 cm/14 x 7.1 x 19.3 in	
Weight	8.3 kg/18.3 lb	
Weight Supported	45.5 kg/100 lb	
Power Supply	Operating Voltage Range	90 to 132 VAC/180 to 265 VAC
	Rated Voltage Range	100 to 127 VAC/220 to 240 VAC
	Rated Line Frequency	47 to 63 Hz
	Rated Input Current	4A/2A
	Maximum Rated Power	250-watt
Temperature	Operating	50° to 95°F 10° to 35°C
	Non-operating	-4° to 140°F/-20° to 60°C
Humidity	Operating	20% to 80%
	Non-operating	10% to 90%
Maximum Altitude	Operating	0 to 10,000 ft/0 to 3,048 m
	Non-operating	0 to 30,000 ft/0 to 9,144 m
	Maximum Rate of Change	457 meters per minute/1500 feet per minute
Acoustics	29.6 dBA (@ Idle)	
Expansion Slots	PCI	3 ea.
	4X AGP	1 ea. (slot occupied by video card)
Expansion Capability	Memory Expansion Slots (DIMMS)	3 ea.
	Memory Type	168-pin Synchronous DRAM DIMM
	Maximum Memory Device	512-MB DIMM Module
	Maximum Memory	1.5-GB (3.0-GB when 1-GB PC133 SDRAM are available)
Expansion Bays	External Bays	External Bays Available
	2 external 5.25" drive bays	1
	1 internal 3.5" drive bay	0
	1 external diskette drive bay	0
Operating System	Microsoft Windows XP Home	
	Microsoft Windows XP Professional	
Software	No additional software pre-loaded	
Interfaces	I/O Chip	SMSC LPC47M192
	Serial Port/UART Type	1
	Game Port	1
	Parallel Port	1
	USB	2
	Infrared Port	0
	Network	1
	Keyboard	1
	Mouse	1
	Video	1
	Audio	2
	Microphone	1

Standard Features – System Features

BIOS Setup Utility	Available via delete key at boot SM BIOS 2.3 compliance DCC 2B compliance S3 Sleep State fully supported																																																																		
Boot Support	Local Diskette Boot Remote Diskette Boot Network Server Mode (Service Boot) – with appropriate NIC Network Boot – with appropriate NIC Multiple Remote Boot Protocol supports PXE and RPL																																																																		
Standard Security Features	Removable Media Write/Boot Control Setup Password																																																																		
Software Updating and Management	Wake-on-LAN supported with appropriate NIC ROM Based Setup																																																																		
Software	<table border="0"> <tr> <td colspan="3">Preinstalled Software</td> </tr> <tr> <td>Microsoft Windows 98 SE</td> <td></td> <td>No</td> </tr> <tr> <td>Microsoft Windows NT® 4. SP6a</td> <td></td> <td>No</td> </tr> <tr> <td>Microsoft Windows 2000 SP2</td> <td></td> <td>No</td> </tr> <tr> <td>Microsoft Windows XP Professional</td> <td></td> <td>Yes</td> </tr> <tr> <td>Microsoft Windows XP Home</td> <td></td> <td>Yes</td> </tr> <tr> <td>Computer Setup Utility via F10 (ROM Based)</td> <td></td> <td>Yes</td> </tr> <tr> <td>Diagnostics for Windows</td> <td></td> <td>No</td> </tr> <tr> <td>Diagnostics for DOS</td> <td></td> <td>No</td> </tr> <tr> <td>Microsoft Internet Explorer</td> <td></td> <td>Yes</td> </tr> <tr> <td>Intelligent Manageability Agent</td> <td></td> <td>No</td> </tr> <tr> <td>Plug and Play Ready</td> <td></td> <td>Yes</td> </tr> <tr> <td>Windows 98</td> <td></td> <td>Yes</td> </tr> <tr> <td>Windows 2000</td> <td></td> <td>Yes</td> </tr> <tr> <td>Windows XP Pro</td> <td></td> <td>Yes</td> </tr> <tr> <td>Windows XP Home</td> <td></td> <td>Yes</td> </tr> <tr> <td>Windows NT 4.0</td> <td></td> <td>No</td> </tr> <tr> <td colspan="3">Boot Support</td> </tr> <tr> <td>Local Diskette Boot</td> <td></td> <td>Yes</td> </tr> <tr> <td>Local CD Boot</td> <td></td> <td>Yes</td> </tr> <tr> <td>Remote Boot</td> <td></td> <td>Yes</td> </tr> <tr> <td>Network Boot</td> <td></td> <td>Yes</td> </tr> </table>	Preinstalled Software			Microsoft Windows 98 SE		No	Microsoft Windows NT® 4. SP6a		No	Microsoft Windows 2000 SP2		No	Microsoft Windows XP Professional		Yes	Microsoft Windows XP Home		Yes	Computer Setup Utility via F10 (ROM Based)		Yes	Diagnostics for Windows		No	Diagnostics for DOS		No	Microsoft Internet Explorer		Yes	Intelligent Manageability Agent		No	Plug and Play Ready		Yes	Windows 98		Yes	Windows 2000		Yes	Windows XP Pro		Yes	Windows XP Home		Yes	Windows NT 4.0		No	Boot Support			Local Diskette Boot		Yes	Local CD Boot		Yes	Remote Boot		Yes	Network Boot		Yes
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Standard Features – System Features

Other Features

Version of PCI Bus Supported – PCI Revision 2.2
Wake-on-LAN supported
ACPI Compliant - S1 compliant
Dual-State Power Button
Fast Boot

Power Supply

250-watt power supply

Service and Support

On-site Warranty ^{Note 1}: This one-year (1-1-1), limited warranty delivers one year of on-site, next business-day ^{Note 2} service for parts and labor and includes free telephone support ^{Note 3} 24 x 7. Global coverage ^{Note 2} ensures that any product purchased in one country and transferred to another non-restricted country will remain fully covered under the original warranty and service offering. One-year onsite and labor are not available in all countries.

Note 1: Terms and conditions may vary by country. Certain restrictions and exclusions apply.

Note 2: On-site service may be provided pursuant to a service contract between Compaq and an authorized Compaq third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.

Note 3: Technical telephone support applies only to Compaq-configured Compaq and third-party Compaq-qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.

After-Market Options

Communications	Compaq V.90 56K PCI Win Modem	239137-001
Graphics	NVIDIA Vanta 16-MB SDRAM AGP	239317-B21
	NVIDIA GeForce2 MX200 16-MB SDRAM AGP	251954-B21
	NVIDIA GeForce MX400 32-MB SDRAM AGP	227003-B21
	NVIDIA M64 PRO 32-MB SDRAM AGP	216080-B21
Hard Drives	<i>Ultra ATA/100 Hard Drives</i>	
	20-GB 7200 rpm SMART III Ultra ATA/100 Quiet Seek and Idle Hard Drive with DPS (worldwide)	251974-B21
	40-GB 7200 rpm SMART III Ultra ATA/100 Quiet Seek and Idle Hard Drive with DPS	201066-B21
	80-GB 7200 rpm SMART III Ultra ATA/100 Quiet Seek and Idle Hard Drive with DPS	250020-B21
	Note: SMART III fault notification and Quiet Seek and Idle features are not supported in BIOS on this platform.	
	<i>Cables</i>	
	2 Device IDE Cable	260626-B21
Note: Cable required with D300v when configured with a 2 nd removable storage drive		
Input/Output Devices	<i>Keyboards</i>	
	Compaq PS/2 Easy Access Keyboard (Silver/Carbon)	267145-008
	Compaq USB Easy Access Smartcard Keyboard (Silver/Carbon)	267147-008
	Compaq Cordless Desktop (Keyboard and Mouse)	251385-xx8
	<i>Pointing Device</i>	
	Compaq PS/2 Scroll Mouse - (Carbon)	170229-B22
	Compaq USB Scroll Mouse - (Carbon)	195255-B25
	Compaq USB Optical Mouse - (Carbon)	265985-B21
Memory (DIMMs)	<i>133-MHz SDRAM DIMMs</i>	
	64-MB Memory Kit (1 x 64-MB SDRAM DIMM, 133 MHz)	174223-B21
	128-MB Memory Kit (1 x 128-MB SDRAM DIMM, 133 MHz)	174224-B21
	256-MB Memory Kit (1 x 256-MB SDRAM DIMM, 133 MHz)	174225-B21
	512-MB Memory Kit (2 x 256-MB SDRAM DIMM, 133 MHz)	259039-B21

After-Market Options

Monitors	TFTs	
	Compaq TFT8030 Monitor (18-inch, Two-tone)	234362-001
	Compaq TFT8030 Monitor (18-inch, Carbon/Silver)	234362-001
	Compaq TFT8030 Monitor (18-inch, Carbon/Silver, Baseless)	250199-001
	Compaq TFT7020 Monitor (17-inch, Carbon/Silver)	253217-001
	Compaq TFT7020 Monitor (17-inch, Carbon/Silver, Baseless)	253218-001
	Compaq TFT5030 Monitor (15-inch, Carbon/Silver)	228134-001
	Compaq TFT5030 Monitor (15-inch, Carbon/Silver, Baseless)	250198-001
	Compaq TFT5015 Monitor (15-inch, Carbon/Silver, Touch-screen)	234045-001
	Compaq TFT5015 Monitor (15-inch, Carbon/Silver, Integrated Speakers)	234046-001
	Compaq TFT5015 Monitor (15-inch, Carbon/Silver)	234044-001
	Compaq TFT5015 Monitor (15-inch, Carbon/Silver, Baseless)	249662-001
	CRTs	
	Professional Series	
	Compaq P1220 CRT Monitor (21-inch, Carbon/Silver)	244374-001
	Compaq P920 CRT Monitor (19-inch, Carbon/Silver)	244375-001
	Compaq P720 CRT Monitor (17-inch, Carbon/Silver)	244373-001
	Compaq P1210 CRT Monitor (21-inch, Carbon/Silver)	230538-001
	Value Series	
	Compaq V720 CRT Monitor (17-inch, Two-tone)	232944-001
	Compaq V510 CRT Monitor (15-inch, Two-tone)	228113-001
	Standard Series	
	Compaq S920 CRT Monitor (19-inch, Two-tone)	240326-001
Compaq S720 CRT Monitor (17-inch, Two-tone)	238994-001	
Compaq M720 CRT Monitor (17-inch, Two-tone)	240326-001	
Multimedia	Labtec Spin-22 Speakers (Carbon)	246637-001
Optical Drives	DVD-ROM Drives	
	16X/40X DVD-ROM Drive with RAM Read (Carbon)	237495-B22
	16X/40X DVD-ROM Drive Read +/- (Carbon)	280625-B22
	Note: MPEG playback software is included with all DVD-ROM Drives. Not supported with Windows NT.	
	CD-ROM Drives	
	48X Max CD-ROM Drive (Carbon)	187217-B22
	CD-RW Drives	
24X/10X/40X CD-RW Drive (Carbon)	260625-B22	
Security	USB Enhanced SmartCard Reader - (Off-White)	240154-B21
	BioTouchUSB Fingerprint Reader - (Carbon)	240238-B21
Miscellaneous	1394 Firewall PCI Card	277824-B21
	Hi Speed USB 2.0 PCI Card	287636-B21

Memory

845 chipset (128-MB)

133-MHz SDRAM DIMM MEMORY

STANDARD MEMORY

128-MB DIMM Standard

MAXIMUM MEMORY

Intel 845 Chipset supports up to 3-GB of PC133 SDRAM. Platform can utilize 3-GB of memory when 1-GB DIMMs are available with the installation of optional SDRAM Memory Kits.

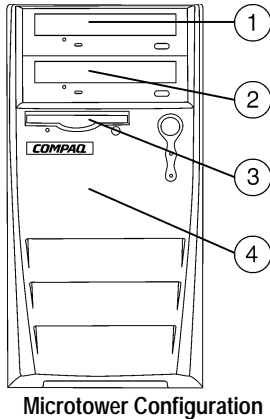
Memory		Slot		
		1	2	3
Standard	128-MB	128-MB	Empty	Empty
Current Maximum Memory	1.5-GB	512-MB	512-MB	512-MB
Maximum Memory when 1-GB available	3-GB	1-GB	1-GB	1-GB

Note: Compaq Evo Series D300v Microtower with 845 chipset contains three DIMM slots, but can only be upgraded to a maximum of 3-GB when 1-GB PC133 SDRAM are available.

Note: 1-GB PC133 SDRAM not currently offered as after-market options.

Note: It is not necessary to add memory in pairs or kits. Memory upgrades are accomplished by adding single or multiple DIMMs of the same or varied sizes. This chart does not represent all possible memory configurations.

Storage



COMPAQ EVO DESKTOP D300v - MICROTOWER DRIVE SUPPORT

	Maximum Quantity Supported	Position Supported	Controller
MICROTOWER			
Diskette Drives	1	3	Super I/O
Tape Drives	2	1,2	IDE
CD-ROM Drives	2	1,2	IDE
DVD-ROM Drives	2	1,2	IDE
CD-RW Drives	2	1,2	IDE
Ultra ATA/100 Hard Drives	Up to 3	1,2,4	Ultra ATA/100
SCSI Hard Drives	Up to 3	1,2,4	SCSI

Note: SCSI hard drives require installation of a SCSI adapter card.

Note: Adding additional tape drives, DVD-ROM, CD-RW or hard drives will require the removal of other devices.

Technical Specifications – Audio

Integrated AC '97 Audio with ADI 1885 audio codec (requires external speakers)	Card Type	Integrated
	Plug and Play	Yes
	Stereo Codec	Yes
	OPL3 FM Synthesis	Yes
	Sound Blaster Compatibility	Yes
	Ports	Microphone-in (10-Kohm Minimum) Line-in (10-Kohm Minimum) Headphone/Line-out (16-ohm Minimum)
	Sampling	7 kHz to 48 kHz
	Compression	ADPCM, ESPCM
	OS support	Windows 98 SE Windows 2000 Windows XP Home Windows XP Professional
	Wavetable Syntheses (software)	Yes

Technical Specifications – Communications

Integrated Intel PRO/100 VE Network Connection with WOL	Connectors	RJ-45	
	Expansion Bus Architecture	PCI 2.2	
	Network Transfer Rate	10Base-T (Half-Duplex)	10 Mb/s
		10Base-T (Full-Duplex)	20 Mb/s
		100Base-TX (Half-Duplex)	100 Mb/s
		100Base-TX (Full-Duplex)	200 Mb/s
	Standards Compliance	IEEE 802.3 (10 Mb/s Ethernet)	
		IEEE 802.3u (100 Mb/s Ethernet)	
	OS Driver Support	Windows 98 S.E.	
		Windows 2000	
Windows XP Home			
Windows XP Professional			
Remote Wakeup	Yes (WAKE signal)		
Proactive Alert Technology	No		
Environmental Requirements			
Temperature	Operating	50° to 95°F/10° to 35°C	
	Non-operating	-4° to 140°F/-20° to 60°C	
Humidity	Operating	20% to 80%	
	Non-operating	10% to 90%	

Technical Specifications – Graphics

NVIDIA Vanta16-MB AGP Graphics Controller	Form factor	Half-size ATX
	Bus type	AGP 4X
	Memory support	16-MB SDRAM (64-bit frame buffer interface)
	Memory clock	125 MHz
	RAMDAC	250 MHz
	Internal clock	100 MHz
	Data path	64-bit
	Process	0.22µ
	Pipelines	2 (bilinear)
	Fill rate	200 M pixels per second
	Triangle rate	8 M triangles per second
	Video overlay filter	2 x 2
	MPEG support (software)	CSC IDCT
	Color space conversion	Yes
	Scaling	Yes
	Quick draw support	Yes
	DCI and Microsoft DirectX video playback	Yes
	Microsoft DirectX support	Yes
	3-D support	Yes
	Engine acceleration	Basic video color conversion and scaling 100% hardware triangle setup engine
	Dual monitor support	With additional PCI controller only
	OS support	Windows 98 S.E., Windows 2000, Windows XP Home, Windows XP Professional
	Other	Optimized for Direct3D acceleration with support for Microsoft DirectX 5.0 and 6.0 128-bit TwiN-Textel (TNT) architecture Two texture-mapped, lit pixels per clock Single pass multi-texture rendering 32-bit rendering with destination alpha 24-bit Z-buffer, 8-bit stencil buffer Anisotropic filtering (superior to trilinear MIP-mapping) High-performance, 128-bit 2-D/GUI/DirectDraw acceleration Transparent BLT, stretch BLT, points, lines, polylines, polygons, fills, patterns, arbitrary clipping and fast text rendering; pipeline optimized for multiple color depths including 8, 16, and 24 bits per pixel Video acceleration for DirectShow, MPEG-1, MPEG-2 and Intel Indeo® Fast 32-bit VGA/SVGA Triple 8-bit, 250-MHz palette DAC

Resolutions Supported	Colors	Real-Time 3-D Gouraud Shading	Refresh Rates
1920 x 1200	256, 65K, 16.7M	256, 65K	60 to 75 Hz depending on color depth
1920 x 1080	256, 65K, 16.7M	256	60 to 85 Hz depending on color depth
1600 x 1200	256, 65K, 16.7M	256	60 to 85 Hz depending on OS and color depth
1280 x 1024	256, 65K, 16.7M	256, 65K	60 to 100 Hz
1152 x 864	256, 65K, 16.7M	256, 65K	60 to 85 Hz depending on color depth
1024 x 768	256, 65K, 16.7M	256, 65K, 16.7M	60 to 85 Hz
800 x 600	256, 65K, 16.7M	256, 65K, 16.7M	60 to 85 Hz
640 x 480	256, 65K, 16.7M	256, 65K, 16.7M	60 to 85 Hz

Technical Specifications – Hard Drives

Ultra ATA/100 Hard Drives	20-GB	
	Capacity	20,000 MB
	Rotational Speed	5400 rpm
	Interface	Ultra ATA/100
	Transfer Rate Synchronous (Maximum)	100 MB/s
	Height	1 in/25.4 mm
	Width	3.5 in/88.9 mm
Seek Time (typical reads, including settling)	Single Track	1.5 ms (2.9 ms quiet seek)
	Average	10.5 ms (12.4 ms quiet seek)
	Full-Stroke	23 ms (23 ms quiet seek)
Physical Configuration	Logical Blocks	39,102,336
Operating Temperature	41° to 131°F/5° to 55°C	

Technical Specifications – Input/Output Devices

Compaq Easy Access Keyboard	Dimensions (HxWxD)	18.3 x 6.3 x 1.4 in/465 x 160 x 36 mm	
	Weight	Approximately 2 lb/0.9 kg	
	Electrical	Operating Voltage	+5VDC ± 5%
		Power Consumption	50 mA maximum (with 3 LEDs on)
		System Interface	PS/2 mini-din connector
		ESD	CE level 4, 15 kV air discharge
		EMI-RFI	Conforms to FCC rules for a Class B computing device
		PC98	Functionally compliant
		Mechanical	Languages
	Keycaps		Low-profile design
	Switch Actuation		55 g nominal peak force with tactile feedback
	Switch Life		20 million keystrokes (using Hasco modified tester)
	Switch Type		Contamination resistant membrane
	Key Leveling Mechanism		For all double wide and greater length keys
	Cable Length		6 ft/1.8 m
	PC98-99		Mechanically compliant
	Acoustics		50 dBA maximum sound pressure level
	Environmental		Operating Temperature
		Non-operating Temperature	-22° to 140° F/-30° to 60° C
		Operating Humidity	10% to 90% (non condensing at ambient)
		Non-operating Humidity	20% to 80% (non condensing at ambient)
		Operating Shock	40 g, 6 surfaces
		Non-operating Shock	80 g, 6 surfaces
Operating Vibration		2 g peak acceleration	
Non-operating Vibration	4 g peak acceleration		

Technical Specifications – Input/Output Devices

Windows 104-key Keyboard	Dimensions (HxWxD)	1.34 x 18.11 x 6.69 in/34 x 460 x 170 mm	
	Weight	1.90 lb/0.86 kg	
	Electrical	Operating Voltage	Voltage supplied to keyboard is 5 Vdc (± 0.25)
		Current Consumption	Under normal 5Vdc power supplied, typical current consumption is 50mA $\pm 10\%$ for the EMC IC with three LEDs
		Power Consumption	Under normal operation, Power Consumption is less than 0.30W
		Level and Timing	Level and timing of signals presented on data and clock pins should be compatible with both TTL or MOS termination on IBM compatible host PC motherboard.
		Pin Out Connector	PS/2 6 Pin DIN connection
		Electrostatic Discharge	IEC 801-2 (Continued functionality)
		Susceptibility	Contact discharge: 2, 4, 8 KV Air discharge: 2, 4, 8, 10,12, 15KV
	Mechanical	Key Life	5 millions cycles under normal operation. After 5 millions return forces deviation less than 30% from original force.
		Cable Length	4.5 ft./1.4 m
		Acoustics	Acoustic noise generated by key press should under 65dBA for space bar and 60dBA for other keys.
	Environmental	Operating Temperature	50° to 122° F/10° to 50° C
Non-operating Temperature		-22° to 140° F/-30° to 60° C	
Operating Humidity		Relative humidity under 90% without condensation	
Non-operating Humidity		Relative humidity under 95% without condensation	
Operating Shock		40g in 11ms duration	
Non-operating Shock		80g in 11ms duration	
Operating Vibration		Sinusoidal sweeps from 10 to 500 to 10Hz 0.5 octave/min. 2.0g peak acceleration	
Non-operating Vibration		Sinusoidal sweeps from 10 to 500 to 10Hz 0.5 octave/min. 4.0p peak acceleration	

Technical Specifications – Input/Output Devices

Compaq 2-Button Scroll Mouse	Scroll Wheel	8 mm	
	Maximum Rotation Speed	30 mm/s	
	Switch Type	Light force micro-switch	
	Switch Life	1 million operations	
	Mechanical Life	Minimum 200,000 revolutions	
	Environmental	Operating Temperature	50° to 122° F/10° to 50° C
		Non-operating Temperature	-22° to 140° F/-30° to 60° C
		Operating Humidity	10% to 90% (non condensing at ambient)
		Non-operating Humidity	20% to 80% (non condensing at ambient)
		Operating Shock	40 g, 6 surfaces
		Non-operating Shock	80 g, 6 surfaces
		Operating Vibration	2 g peak acceleration
		Non-operating Vibration	4 g peak acceleration
		Electrical	Operating Voltage
	Power Consumption		15mA
	System Consumption		PS/2 mini-din connector
	ESD		CE level 4, 15 kV air discharge
	EMI-RFI		Conforms to FCC rules for a Class B computing device
	PC98		Functionally compliant
	Mechanical		Resolution
		Tracking Speed	10 in/s maximum
		Acceleration	100 in/s
		Switch Actuation	85 g nominal peak force
		Switch Life	1,000,000 operations (using Hasco modified tester)
		Cable Length	2 m
		PC98-99	Mechanically compliant
		Regulatory Approvals	UL, CSA, FCC, CE Mark, TUV, TUV GS, VCCI, BCIQ, C-Tick

Technical Specifications – Optical Storage

48X CD-ROM Drive	Bus		
	Data Buffer	16.6 MB/s	
	Data Transfer Rate	1 KB = Sustained 1,024 bytes	
		150 KB/s Minimum (audio)	
		Variable	
		CD: 3,000 to 7200 KB/s	
	Disk Rotation Technology	CAV-Constant Angular Velocity	
	Access Time (ms)	Random	< 100 ms
		Full-Stroke Seek	< 150 ms
	Access Seek Time		
	Cache Buffer	128 KB	
	Standard/Maximum		
	Interface	ATAPI	
	Disk Formats Read	Photo-CD/Multi-session, CD-ROM, Multi Read, CD TEXT, Audio CD, CD-I, CD-RW and CD-R CD-EXTRA and CD-ROM XA	
	Disk Formats Written	None	
	Disk	Capacity	CD: 650 MB
		Block Size	Mode 1 – 2,048 bytes Mode 2 – 2,340, 2,336 bytes CD-DA – 2,352 bytes CD-XA – 2,328 bytes
		Diameter	12 cm; 8 cm
		Thickness	1.2 mm
		Track Pitch	1.6 µm
	Audio Output Level	Line-out	0.7 V @ 47 Kohm
		Headphone	0.6 V @ 32 ohm
	Startup Time	< 7 seconds (typical); < 30 seconds with multi-session	
	Operating Conditions	Temperature	41° to 113°F/5° to 45°C
		Humidity	10% to 80% relative humidity
	Dimensions	(HxWxD, maximum)	1.7 x 5.9 x 8.2 in/42.9 x 150.1 x 208 mm
		Weight	2.6 lb/1200 g
Approvals/Environmentals			
MPEG playback graphics solution support	None		
Other	Operates in horizontal or vertical position		

Technical Specifications – Removable Storage

1.44-MB Diskette Drive	Diskette Size	3.5 in.	
	LED Indicators (front panel)	Green	
	Read/Write Capacity per diskette (high/low density)	1.44 MB/720 KB	
	Drive Supported	One	
	Drive Height	One-third	
	Drive Rotation	300 rpm	
	Transfer Rate (high/low)	500/250 Kb/s	
	Bytes/Sector	512	
	Sectors/Track (high/low)	18/9	
	Tracks/Side (high/low)	80/80	
	Access Times	Track-to-Track (high/low)	3/6 ms
		Average (high/low)	169/94 ms
		Settling Time	15 ms
Latency Average		100 ms	

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