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HP Compaq dc7800 Convertible Minitower PC - specifications and warranty

HP recommends Windows Vista® Business.

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Fast facts	
HP product rating	Performance ▮▮▯ Expandability ▮▯▯
Operating system installed	Genuine Windows Vista® Business 32-bit, Genuine Windows Vista® Business 64-bit, Genuine Windows Vista® Home Basic 32-bit, FreeDOS
Processor	Intel® Celeron® Processor 420 (1.60 GHz, 512 KB L2 cache, 800 MHz FSB) or Intel® Pentium® Dual Core E2160 / E2180 / E2200 / E5200 (1.80 to 2.50 GHz, 1 to 2 MB L2 cache, 800 MHz FSB) or Intel® Core™2 Duo Processor E4500 / E4600 / E6550 / E6750 / E6850 / E7200 / E7300 / E8200 / 8300 / E8400 / E8500 (2.20 to 3.16 GHz, 2 to 6 MB L2 cache, 800 to 1333 MHz FSB) or Intel® Core™2 Quad Q6600 / Q6700 / Q9300 (2.40 to 2.66 GHz, 6 to 8 MB L2 cache, 1066 to 1333 MHz FSB)
Cache	512 KB, 1, 2, 3, 4, 6 or 8 MB L2 cache
Processor front side bus	800, 1066 or 1333 MHz Front Side Bus
Chipset	Intel® Q35 Express
Memory slots	4 DIMM
Memory Upgrade	Expandable to 8 GB through four industry-standard DIMM slots
Maximum memory	8 GB DDR2-Synch DRAM
Internal drives	
Internal hard disk drive	80, 160 or 250 GB SATA 3.0GB/s 7200rpm with NCQ; optional dual drive RAID
Hard disk drive speed	7200 rpm
Hard disk controller	SATA 3.0Gb/s
Internal drive bays	2 internal 3.5 inch
External drive bays	3 external 5.25 inch, 1 external 3.5 inch
Optical drives	SATA DVD-ROM Drive, SATA SuperMulti LightScribe DVD Writer Drive
Flexible disk drive	Optional 1.44 MB Diskette Drive
System features	
Chassis Type	Convertible Minitower
Graphic Subsystem Name	Intel® Graphics Media Accelerator 3100
Video adapter, bus	PCI Express™ x16
Video adpater driver	Microsoft® Windows® XP Home, Microsoft® Windows® 2000 and Microsoft® Windows® Vista® Enterprise
Video adapter features	3D/2D Controller: support is fully compliant with Microsoft® standard API such as Microsoft® DirectX®9, DirectXVA®, VMR9, GDI/GDI+; OpenGL®

	1.4.; Integrated VGA Controller; integrated 400 MHz RAMDAC; 400 MHz Controller Clock Speed; Overlay Planes: Single overlay support with 5x3 filtering; Maximum Color Depth: 32 bits/pixel; Multi-display Support: 2 displays can be supported via the motherboard's VGA connectors and DVI ADD2 card
Graphic Subsystem Video Card Memory	Graphics memory is shared with system memory. Graphics memory usage can vary from 8 to 256 MB depending on the amount of system memory installed and system load
Graphic Subsystem Video Card Resolution	Maximum Vertical Refresh Rate: 85 Hz at up to 1920x1440, 75 Hz at 2048x1536
Internal audio	Integrated High Definition audio with ADI1884 codec, 3D audio compliant with AC'97 Rev. 2.3, internal PC speaker
Fax/Modem description	Optional Agere 56K PCI Modem
Network interface	Integrated Intel® 82566DM Gigabit Network Connection
Network cards	Optional Intel® Pro 1000 PT PCIe Gigabit NIC
Available LAN Drivers	Microsoft® Windows® Vista®, Microsoft® Windows® XP, Microsoft® Windows® 2000
External I/O ports	Rear: 6 USB 2.0, 1 serial port, 1 optional serial port, 1 parallel port, 2 PS/2, 1 RJ-45, 1 VGA, audio in/out; Front: 2 USB 2.0, audio ports
Pre-installed software	Optional preloaded software, only for certain configurations: HP Total Care Advisor, PDF Complete, Computrace for Desktops, Verdiem Surveyor agent, InterVideo WinDVD 5.0, Microsoft® Office 2007 Basic, Microsoft® Office 2007 Professional, Microsoft® Office 2007 Small Business, Microsoft Internet Explorer with Google Toolbar
Software included	On some models only (not included with FreeDOS): HP ProtectTools Security Solutions, HP OpenView Configuration Management Solutions Agent, HP Backup and Recovery Manager, HP Insight Diagnostics (available via HP Backup and Recovery Manager), HP Client Foundation Suite (HP Client Manager, HP Systems Insight Manager, Altiris Local Recovery Pro Connector, Altiris Inventory Solution, Altiris Deployment Solution), HP Client Premium Suite (HP Client Manager, HP Systems Insight Manager Connector, HP OpenView Connector, Altiris Connector Solution, Altiris Local Recovery Pro, Altiris Audit Express, Altiris Client Management Suite Level 1), Computer Setup Utility, McAfee AntiVirus trial version, Roxio Easy Media Creator 9.0
Keyboard	HP Standard Keyboard (PS/2 or USB) or HP USB Smartcard Keyboard
Keyboard dimensions (metric)	16.3 x 45.8 x 2.5 cm
Pointing device	HP PS/2 2-Button Optical Scroll Mouse or HP USB 2-Button Optical Scroll Mouse
Security Management	Integrated 1.2 TPM Embedded Security Chip (except for Russia), HP Business PC Security Lock, HP USB Biometric Fingerprint Reader
Physical security	Kensington Lock, Solenoid Hood Lock / Sensor
Non-Operating Altitude	9,144 m
Weight	11.8 kg
Operating temperature range	10° to 35° C
Dimensions (w x d x h)	17.7 x 45.2 x 44.7 cm
Power Features	Operating Voltage Range: 90 – 264 VAC; Rated Voltage Range: 100 – 240 VAC; Rated Line Frequency: 50/60 Hz; Operating Line Frequency Range: 47 – 63 Hz; Rated Input Current: 6.0 A; Rated Input Current 80 Plus: 5.0 A; Current Leakage (NFPA 99): < 450 μA; System Heat Dissipation: Typical 222 btu/hr (56 kg-cal/hr) Maximum 1916 btu/hr (483 kg-cal/hr); System Heat Dissipation 80 Plus: Typical 171 btu/hr (43 kg-cal/hr), Maximum 1557 btu/hr (392 kg-cal/hr; Power Supply Fan: 92 mm variable speed, Power Consumption in ES Mode – Suspend to RAM (S3) (Instantly Available PC): <2.7 W
Storage temperature range (Celsius)	-30 to 60° C
Operating Humidity Range	10 to 90% RH
Power consumption	365 watts maximum
Non-Operating Humidity	5 to 95% RH
Operating altitude	3,048 m
Power requirements	Input voltage 90 – 264 / 100 – 240 VAC, 50/60 Hz, 47 – 63 Hz, active PFC (80% High Efficiency)
Warranty	Protected by HP Services, including a 3-3-3 standard warranty delivering 3 years of parts and 3 year of both labour and on-site repair. Response time is next business-day and includes free telephone support 24 x 7. Terms and conditions vary by country. Certain restrictions and exclusions apply

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Certain Windows Vista product features require advanced or additional hardware. See www.microsoft.com/ windowsvista/getready/hardwarereqs.mspx and www.microsoft.com/windowsvista/getready/capable.mspx for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit www.windowsvista.com/upgradeadvisor.

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