HP Compaq dc5850 Business Desktop PC

HP recommends Windows Vista® Business.

POWERFUL PERFORMANCE FOR BUSINESS FOUNDATION

BUSINESS IS PERSONAL

Dependable, versatile and built with latest technology, the HP Compaq dc5850 Business Desktop PC is packed with customisable features for uncompromising security, hassle-free manageability and improved performance to tackle the everyday needs of any organisation. With its highly stable platform and legendary HP support and services, our PCs deliver worry-free computing to help boost productivity.

HP Compaq dc5850 Business Desktop PC, the very foundation of your business.

Proven technology as a strong foundation

Built with cutting-edge technology to deliver the features critical to enterprise clients.

- **Outstanding abilities**—AMD chipset with latest processor offerings including AMD Phenom™ X3 and X4[1, 2], Athlon™ X2 and single core[3] and Sempron processor
- **Increased performance**—HyperTransport Technology™ 3.0
- **Immersive experience**—ATI Radeon™ 3100 with powerful DirectX® 10[4] for increased visual detail per frame
- **Receive warnings to backup data prior to drive failure**—new generation SATA hard drives with SMART IV NCQ support
- **Increased audio flexibility, performance and noise reduction**—high-definition Multi-streaming 4-channel audio and Unified Audio Architecture

Built for powerful enterprise productivity

Engineered with useful tools and enhanced features to boost overall productivity and efficiency.

- **Extend the life of PC**—optimised thermal design
- **Meet space restraints and comfort level**—choice of two flexible chassis designs
- **Expandability and enhanced graphics**—includes a PCIe x16 graphics card slot and standard dual independent display capability
- **Increase IT efficiency, streamline processes, and lower overall cost of ownership**—standard ASF 2.0 and Altiris® Out-of-Band Management Solution™
- **Improve user and administrator productivity**—better desktop migration tools, management for hot patching, and graphics driver model

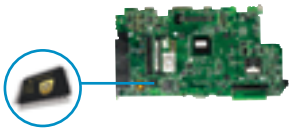
SmartMedia/xd
CompactFlash I/II
SD/MMC+/miniSD
MS PRO/MS PRO Duo

USB 2.0

Shielded with uncompromising security

Experience essential security features that protect both your physical assets and critical data.

- **Enhanced data protection and system access**—Embedded TPM 1.2-compliant security chip provides hardware-based encryption capabilities.
- **Stay productive with local recovery tools**—HP Backup and Recovery Manager features include securing end-user data with backup on optional 2nd hard drive.
- **Safeguards physical assets against theft or tempering**—HP Business PC security locks and devices.
- **Optional HP ProtectTools offer the flexibility to adopt only the modules that meet your security needs, such as:**
  - BIOS Configuration
  - Credential Manager for establishing various levels of access



TPM 1.2 Embedded Security Chip

Cost savings with a stable, manageable platform

Streamline enterprise business processes, no matter the size, while lowering IT costs and operating expenses.

- **Reduce testing time and support costs**—a single, common and stable software image across the series helps
- **Cost-saving support solutions needed throughout the PC lifecycle**—HP Desktop Lifecycle Services
- **Deploy the tools required**—HP Client Management Solutions portfolio addresses specific business productivity goals, minimising waste of resource

Impressive reliability and quality

Multiple generations of technologies boasts improved quality and lower industry standard hardware failure rates, delivering peace of mind to business computing.

- **Desktop platform design ensures a high level of quality and reliability**—more than 110,000 hours of testing to withstand demanding user environment
- **Increased viewing plane**—standard dual independent display capability
- **Minimise disruption**—standard RAID feature allows you to mitigate disruptions and help protect critical business documents
- **World-wide service and support**—available for the life of your PC including global limited warranties, quick and easy access to expert advice 24 hours a day, 7 days a week, online or by phone
- **Personalised service for every stage of the PC lifecycle with HP Total Care**
- **Customisable and integrated hardware and software**—HP Factory Express Services builds PCs to your specifications even before they are deployed

Designed with the environment in mind

HP Compaq dc5850 Business Desktop PC is designed to reduce environmental impact, while saving cost through its energy efficient features and functionality.

- **Easy to recycle**—HP designed products and packaging are built with materials that help reduce waste and environmental impact
- **Saving cost through efficient use of energy**—S3 sleep settings enabled by default conserves power after periods of inactivity
- **Industry Certifications**—ENERGY STAR®, Taiwan Green Mark, EPEAT™ Korea Eco-label, Japan PC Green Label, TCO (Sweden) and CECP energy (China)
- **Efficient performance**—AMD chipset technology that switches power modes based on system usage

1 This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of AMD technology.

2 Dual/quad/triple-core processing available with AMD technology is a recent technology innovation designed to improve performance of this system. Given the wide range of software applications available, performance of a system including a 64-bit operating system and a dual/quad/triple-core processors will vary.

3 This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of the AMD 64 processor. Given the wide range of software applications available, performance of a system including a 64-bit operating system will vary.

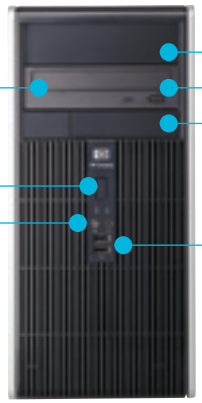
4 DirectX® 10 requires Windows Vista.

DESIGNED TO MEET YOUR EVERYDAY BUSINESS NEEDS

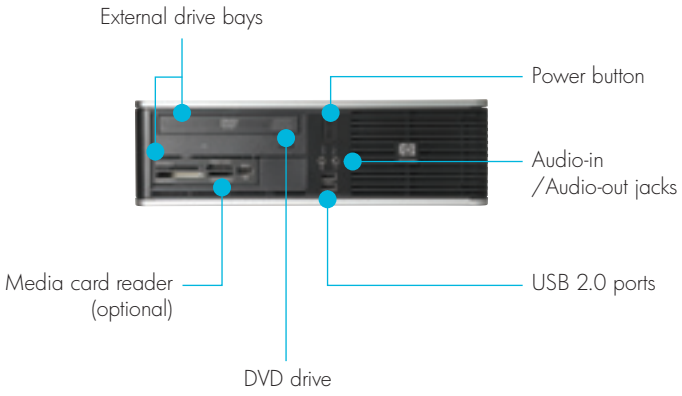
HP recommends Windows Vista® Business.

Equip your business with flexible, customisable and expandable performance

Front view

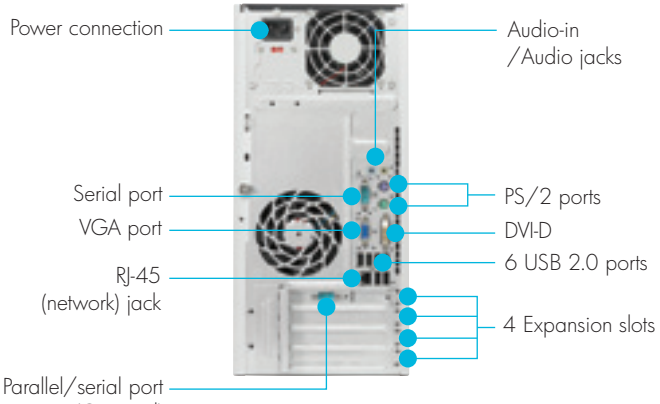


Microtower



Small form factor

Rear view



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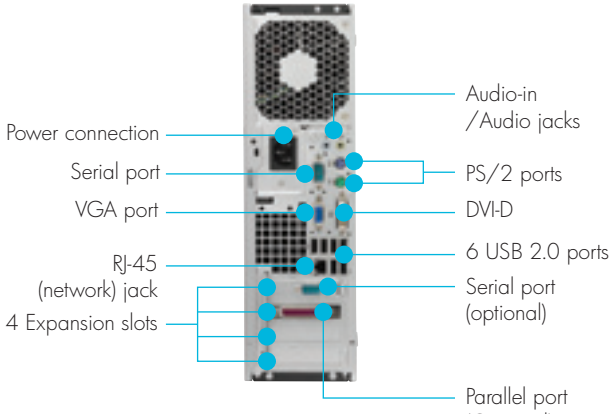
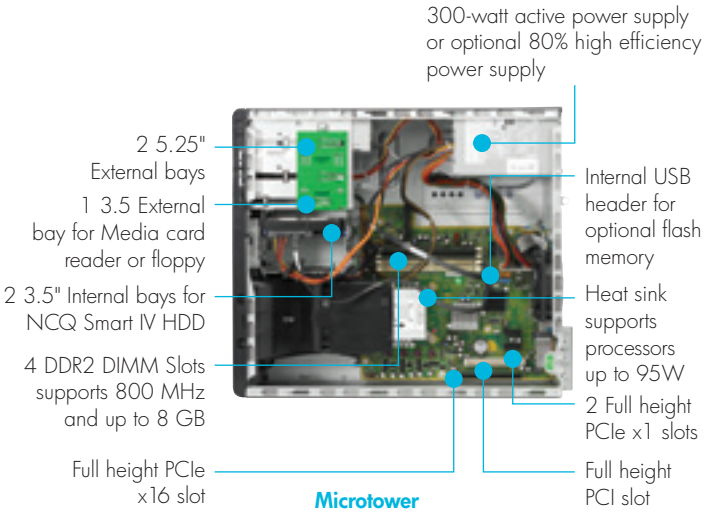


Small form factor

Internal view



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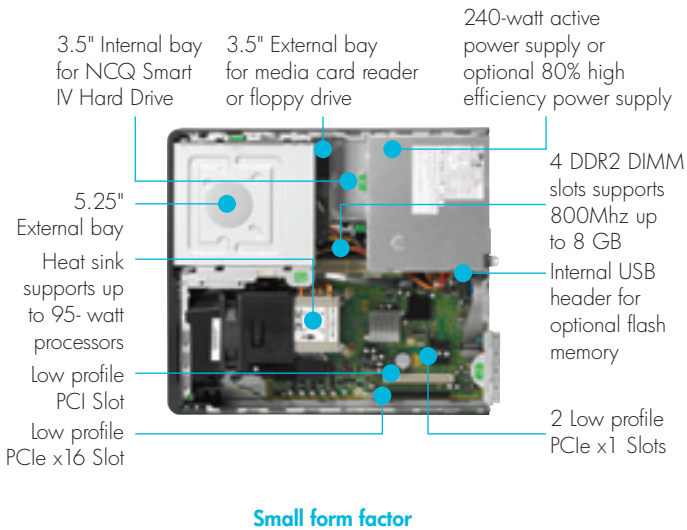

Small form factor

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Microtower

Small form factor

Processor	AMD Phenom™ X4 Processors with HyperTransport™ Technology up to 2.3 GHz[1], AMD Phenom™ X3 Processors with HyperTransport™ Technology up to 2.3 GHz[1], AMD Athlon™ 64 X2 Processors with HypterTransport™ Technology up to 2.8 GHz[2], AMD Athlon™ 64 Processors with HyperTransport™ Technology up to 2.7 GHz[3], AMD Sempron™ Processors with HyperTransport™ Technology up to 2.3 GHz	
Operating system	Genuine Windows Vista® Business 32* Genuine Windows Vista® Business 64* Genuine Windows Vista® Home Basic 32* Genuine Vista® Business Edition with downgrade to Genuine XP® Professional pre-installed[4] FreeDOS	
Chipset	AMD 780V	
Memory[5]	PC2-6400 (DDR2-800 MHz) Non-ECC DIMM Memory NOTE: Dual channel memory configurations supported for enhanced performance (requires both slots populated with same type and size memory).	
Hard drive(s)[6]	80, 160, 250, 500-GB SATA NCQ Smart IV 3.0-GB/s hard drive (7200 rpm); 80, 160-GB SATA NCQ Smart III 3.0-GB/s hard drive (10,000 rpm); optional dual drive RAID	
Expansion bays	Internal: 2—3.5 inches External: 1—3.5 inches and 2—5.25 inches	Internal: 1—3.5 inches External: 1—3.5 inches and 1—5.25 inches
Expansion slots	Full-height: 1 PCI, 2 PCIe x1, and 1 PCIe x16	Low-profile: 1 PCI, 2 PCIe x1, and 1 PCIe x16
Memory slots	4 DIMMs	
Graphics	ATI Radeon™ 3100 Graphics with DirectX® 10 technology	
Removable media[7]	SATA DVD-ROM Drive or SATA SuperMulti LightScribe[8] DVD Writer Drive, HP 16-in-1 Media Card Reader (USB connection on the motherboard)	
Audio	Integrated High Definition multi-streaming audio	
Communications	Integrated Broadcom 5755 Gigabit Ethernet	
I/O ports and connectors	10 USB 2.0 ports (2 front, 6 rear, 2 internal USB header) 1 VGA port, one DVI-D port, DVI output (available via optional ADD2 card), 1 serial with second optional, 2 PS/2 ports (mouse and keyboard), front headphone and microphone jacks, RJ-45 port, parallel port (optional)	
Input Device	Standard keyboard and 2-button optical scroll mouse available as USB or PS/2, or USB 2-button laser mouse	
Security	Integrated TPM 1.2 (standard), HP Desktop Security lock kit (lock and cable); Security cable with Kensington lock	
Dimensions (h x w x d)	377.2 x 176.5 x 428 mm (14.85 x 6.95 x 16.85 inches)	100.3 x 337.8 x 374.86 mm (3.95 x 13.3 x 14.9 inches)
Weight	10.63 kg (23.44 lb)	8.10 kg (17.86 lb)
Power	300-watt passive PFC Power Supply (user selectable 115V/230V); Optional 80% High Efficiency 300W Active PFC	240-watt active PFC Power Supply (user selectable 115V/230V); Optional 80% High Efficiency 240W Active PFC
Warranty	3 years Parts, Labour, Onsite; other HP Care Pack Services available see http://www.hp.com/go/lookuptool	

* Certain Windows Vista® product features require advanced or additional hardware. See http://www.microsoft.com/windowsvista/getready/hardwarereqs.mspx and http://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 http://www.windowsvista.com/upgradeadvisor

1 This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of the AMD 64 processor. Given the wide range of software applications available, performance of a system including a 64-bit operating system will vary.

2 This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of AMD "X" technology. Dual-core processing available with AMD "X" technology is a recent technology innovation designed to improve performance of this system. Given the wide range of software applications available, performance of a system including a 64-bit operating system and a dual-core processor will vary.

3 Dual/quad/triple-core processing available with AMD technology is a is a recent technology innovation designed to improve performance of this system. Given the wide range of software applications available, performance of a system including a 64-bit operating system and a dual/quad/triple-core processors will vary.

4 An end user that is a business (including governmental or educational institutions) is expected to annually order at least 25 customer systems with the same custom image.

5 Above 3 GB, all memory may not be available due to system resource requirements.

6 GB = 1 billion bytes. Actual formatted capacity is less. Up to 8 GB is reserved for system recovery software.

7 Double Layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.

8 LightScribe creates a grayscale image similar to a black and white photograph. LightScribe media required and is not included.

To learn more, visit www.hp.com/apac/bpc

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