



EliteBook 8540w Mobile Workstation

Portable Powerhouse

HP's most versatile Mobile Workstation with advanced graphics and performance with a 15.6-inch diagonal HD¹ display.



Windows[®]. Life without Walls[™]. HP recommends Windows 7.

Outstanding Workstation-class features

Maximize onscreen performance with industry-leading, workstation-caliber graphics. Choose from the NVIDIA Quadro FX 880M or 1800M with 1 GB of video memory². HP's extensive ISV certification program ensures highly reliable performance across the most demanding workstations-specific applications.

Maximize your performance

Enjoy new performance levels with the new 2010 Intel[®] Core[™] i5³ and i7³ processor family, capable of working in a true 64-bit environment and 16 GB of memory capacity.^{2,17} Share information with fast transfer speeds using two USB 3.0 ports. Connect to external displays and get sharper, deeper images with DisplayPort.

Industrial design

Starting at 6.4 lb. (2.89 kg) with a 1.28-inch height in front, this Mobile Workstation combines premier design with business rugged construction. With a gunmetal finish, the HP EliteBook 8540w is designed to meet tough military standards (MIL-STD 810G)⁵ for vibration, dust, humidity, altitude, and high temperature.

HP Professional Innovations help you focus on your business

Built to simplify. HP SkyRoom provides convenient video conferencing directly from your notebook with the ability to conference up to 4 locations at a time¹⁸.

Optional integrated HP Mobile Broadband allows convenient access to the internet, corporate intranet, and e-mail in more places than ever^{9,13}. With the WWAN card installed, you also gain a Global Positioning System (GPS)⁶ receiver to determine your position. Couple this with available applications to turn your notebook into a GPS device.

HP QuickLook 3¹⁵ provides quick access to email, calendar, contacts and tasks at the touch of a button without long boot-up time. HP QuickWeb¹⁶ grants access to the web in seconds... even if your notebook is turned off.

Built to conserve. HP Power Assistant⁷ measures and logs reported platform energy usage and delivers comprehensive reporting (time, watts, energy cost and carbon footprint). The EliteBook 8540w is a BFR/PVC-free⁸ notebook.

THE COMPUTER
IS PERSONAL
AGAIN.



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SPECIFICATIONS

Operating system	Preinstalled Genuine Windows® 7 Professional ¹⁹ Genuine Windows 7 Home Premium ¹⁹ Genuine Windows XP Professional available through downgrade rights from Windows 7 Professional ^{19, 20} Genuine Windows Vista Business ¹⁰ Genuine Windows Vista Home Basic ¹⁰ FreeDOS	Supported Genuine Windows Vista Enterprise Genuine Windows Vista Business Certified: SUSE Linux Enterprise Desktop ¹¹
Processor	Intel® Core™ i7 Mobile Processor Family with Turbo Boost Technology; Intel® Core™ i5 Mobile Processor Family with Turbo Boost Technology; ¹¹	
Chipset	Mobile Intel QM57 Chipset	
Memory	DDR3 SDRAM, 1066/1333 MHz, *four slots supporting dual- or quad-channel memory ² , 1024/2048/4096 MB SODIMMs, up to 16384 MB total with Intel quad-core processor. NOTE: On models configured with 1066 MHz FSB dual-core processor, memory bus is dual-channel running at a maximum of 1066 MHz., and maximum total memory is limited to 8102 MB ² . *Memory speed is processor dependent	
Upgrade Bay	Fixed 12.7-mm SATA optical drive (Blu-ray R/RE DVD+/-RW SuperMulti DL Drive, Blu-ray ROM DVD+/-RW SuperMulti DL LightScribe Drive, DVD+/-RW SuperMulti DL LightScribe Drive, DVD-ROM Drive), or secondary hard drive (500 GB 7200 rpm HDD)	
Internal Storage	SATA hard drive: 250/320/500 GB 7200 rpm; Solid-State Drive: 160/256 GB	
Display	15.6-inch diagonal LED-backlit HD ¹ anti-glare (1366 x 768), 15.6-inch diagonal LED-backlit HD+ ¹ anti-glare (1600 x 900), 15.6-inch diagonal LED-backlit FHD ¹ anti-glare (1920 x 1080)	
Graphics	NVIDIA Quadro FX 880M graphics with 1 GB dedicated DDR3 video memory NVIDIA Quadro FX 1800M graphics with 1 GB dedicated GDDR5 video memory Microsoft DirectX 10.1 (Shader Model 4.1) and OpenGL 2.1 capable	
Audio/Visual	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array, optional integrated 2 MP Webcam ¹²	
Wireless Support	Optional HP un2420 EV-DO/HSPA Mobile Broadband Module (requires mobile network operator service) ^{13,14} , GPS-enabled; Intel Centrino 802.11a/b/g/n ¹⁴ ; Bluetooth™ 2.1; HP Wireless Assistant, Connection Manager 3.0	
Communications²¹	Intel 10/100/1000 NIC, 56K v.92 modem	
Ports and Connectors	2 USB 3.0 ports, 2 USB 2.0 ports, eSATA, VGA, DisplayPort, stereo microphone in, stereo headphone/line out, 1394a, power connector, RJ-11/modem, RJ-45/Ethernet, docking connector, secondary battery connector	
Input Device	Full-sized keyboard with drains, full numeric keypad; enhanced dual pointing devices (touchpad and pointstick) with scroll zone; optional 2 MP Webcam ¹² with Business Card Reader Software; touch-sensitive controls	
Software	HP Recovery Manager (Windows 7 and Vista only), HP QuickLook ³¹⁵ , HP QuickWeb ¹⁶ , HP Power Assistant, ⁷ HP Client Manager Software, HP Client Configuration Management Agent, HP OpenView PC Configuration Management Solutions, HP Performance Tuning Framework	
Security	Standard: Integrated Smart Card Reader, HP ProtectTools, TPM Embedded Security Chip 1.2, Enhanced Pre-Boot Security, HP Spare Key (requires initial user setup), HP Disk Sanitizer, Enhanced Drive Lock, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools; Optional: LoJack for HP ProtectTools, HP Fingerprint Sensor, Smart Kensington Lock, HP Privacy Filter, McAfee Security Solution ⁹	
Dimensions	.128 in (at front) x 14.7 in x 9.90 in / 32.4 mm (at front) x 373.5 mm x 251.5 mm	
Weight	Starting at: 6.5 lb / 2.95 kg (weight will vary by configuration)	
Power	8-cell (73 WHr) Lithium-Ion battery, Long Life 8-cell (68 WHr) Lithium-Ion battery, optional HP (52 WHr) Extended Life Battery, optional HP (95 WHr) Ultra-Capacity Battery, 90W HP Smart AC Adapter, 120W HP Smart AC Adapter, 150W HP Smart AC Adapter, HP Fast Charge	
Expansion Solutions⁶	HP Docking Station, HP Advanced Docking Station, HP USB 2.0 Docking Station, HP Essential USB 2.0 Port Replicator, HP Adjustable Notebook Stand, HP Dual-Monitor Stand, HP Monitor Stand	
Warranty	Limited 3-year, 1-year and 90-day warranty options available, depending on country, 1-year limited warranty on primary battery. Optional HP Care Pack Services are extended service contracts which go beyond your standard warranties. For more details visit: http://www.hp.com/go/lookuptool .	



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1. HD content required to view HD images
2. Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
3. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See www.intel.com/info/em64t for more information. Quad Core is designed to improve performance of multithreaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefit. Not all customers or software applications will necessarily benefit from use of this technology. Intel's numbering is not a measurement of higher performance.
4. If the drives are configured as RAID 0 Striping, then the user can no longer swap.
5. Testing was not intended to demonstrate fitness for DOD contracts requirements or for military use. Test results are not a guarantee of future performance under these test conditions.
6. GPS access requires an unobstructed path to multiple satellites. Performance may be affected if/when used inside of buildings, bridges or heavily congested metropolitan areas. Requires separately purchased GPS navigation software available from multiple GPS applications.
7. Power calculations and cost calculations are estimates. Results will vary based on variables, which include information provided by the user, time PC is in different power states (on, standby, hibernate, off), time PC is on battery or AC, hardware configuration, variable electricity rates and utilities provider. HP advises customers to use information reported by HP Power Assistant for reference only and to validate impact in their environment. Environmental calculations were based on U.S. EPA eGrid 2007 data found at www.epa.gov/egrid/. Regional results will vary.
8. Meeting the evolving definition of "BFR/PVC-free" as set forth in the "iNEMI Position Statement on the 'Definition of Low-Halogen' Electronics (BFR/CFR/PVC-Free)." Plastic parts contain < 1000 ppm (0.1 percent) of bromine (if the Br source is from BFRs) and < 1000 ppm (0.1 percent) of chlorine if the Cl source is from CFRs or PVC or PVC copolymers. Power supply and power cords are not BFR/PVC-free. Service parts after purchase may not be BFR/PVC-free. BFR/PVC-free notebook is not planned to be available until January 26, 2010. Gobi module, power supply and power cords are not BFR/PVC-free.
9. Sold separately or purchased as an optional feature.
10. Certain Windows Vista product features require advanced or additional hardware. See www.microsoft.com/windowsvista/getready/hardwarereqs.mspx. 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.
11. Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
12. Requires separately purchased Internet and VoIP service contracts.
13. Gobi requires a separately purchased service contract. Check with provider for availability and coverage in your area.
14. Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
15. HP QuickLook 3 is accessible when the notebook is off in Windows XP, Windows Vista or Windows 7-based systems; not supported from hibernation. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use. HP QuickLook 3 on HP ProBook s-series requires configuration with Intel and DDR3 or AMD and DDR2.
16. HP QuickWeb is accessible when the notebook is off in Windows XP, Windows Vista or Windows 7-based systems; not supported from hibernation. Internet access required. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use.
17. 4DIMM slots are available on select configurations only.
18. Internet access required.
19. Systems may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See <http://www.microsoft.com/windows/windows-7/> for details.
20. Windows® XP Professional is preinstalled on this system and includes end user rights and media for Windows 7 Professional. You may only use one version at a time. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
21. The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.