

HP ELITEBOOK MOBILE WORKSTATIONS



Want the power of your workstation all wrapped up in the portability of your notebook? You got it.

The newest HP Mobile Workstations—the HP EliteBook 8530w and HP EliteBook 8730w—provide top quality graphics that are tested, optimized and certified to meet the most demanding professional applications—while still keeping you on the move.

More power to you

HP recommends Windows Vista® Business.

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ISV CERTIFICATIONS

HP performs testing and certifications with top workstation software vendors in a variety of market segments to help verify that the applications you need will run effectively. Some of the vendors HP works with include: Autodesk, Bentley, Dassault Systems, Mentor Graphics, MSC Software, PTC, Siemens, Solidworks, Adobe, Avid, SoftImage, ESRI, Landmark Graphics, Schlumberger, Paradigm, Seismic Micro-Technology, Thomson/GV and many others.

HP recommends Windows Vista® Business.

HP has once again raised the bar.

With the new HP EliteBook 8530w and HP EliteBook 8730w Mobile Workstations, HP introduces a highly durable form factor with workstation caliber graphics and independent software vendor (ISV) certifications, with an even greater capacity for processing power. You'll experience a true 64-bit computing environment; and with support for up to 8 GB²² of memory, you can run the most demanding professional applications. HP has also obtained ISV certifications for an extensive range of applications to help enable performance and stability.

Professionals have come to expect HP Mobile Workstations to wield the force of an office workstation—with the power to manipulate complex models, mechanical designs and sophisticated animation—all while providing the freedom of a notebook.

HP has once again raised the bar.

DREAMCOLOR DISPLAYS

HP DreamColor Technologies improve color consistency from display through printing. DreamColor provides seamless interaction between applications and devices to deliver precise results. It is best in class for predictable and accurate color matching. DreamColor helps you achieve the exact color you envisioned by more accurately matching colors to the original and producing accurate, predictable and consistent color—every time.

ASTOUNDING GRAPHICS

With NVIDIA's and ATI's next-generation graphics controllers, the 8530w and 8730w deliver workstation-class graphics with up to 1 GB of dedicated memory. When docked, take advantage of Dual Link DVI support that lets you run ultra-high resolution monitors—including newer 30-inch diagonal, 2560 x 1600 LCD panels—in their native resolution. HP Mobile Workstations also provide full OpenGL and DirectX 10 support and are fully ISV-certified to provide a high degree of reliability.

This technology leads to advanced graphics processing unit (GPU) performance; it also provides faster transfer and manipulation of 3D textures, resulting in more interactive visualization of large volumetric datasets.

HP recommends Windows Vista® Business.

HP PROFESSIONAL INNOVATIONS HELP YOU FOCUS ON YOUR BUSINESS.

Built to last

Enhanced reliability features such as HP DuraCase, HP DuraKeys, HP DuraFinish, and HP 3D DriveGuard give you an extremely durable device.

Built to simplify

Boost your productivity while increasing ease of use. The optional 2 MP Webcam¹¹ with Business Card Reader software means you will never forget a name, e-mail or phone number and is perfect for video, web conferencing, and VoIP¹⁶.

Built to protect

An array of multi-layered, customizable security solutions help defend your network, your applications and your data.

AT THE PEAK OF HIGH DEFINITION

Develop, record, re-write and play back high-definition video, and burn up to 50 GB of high-definition content on a single dual-layer Blu-ray disc,^{17, 18} when you employ the optional Blu-ray DVD+/RW SuperMulti DL drive. The Blu-ray format offers more than five times the storage capacity of traditional DVDs, and the high-definition multimedia interface (HDMI) connector allows you to connect to high-definition televisions and displays with one convenient cable.

HP PERFORMANCE TUNING FRAMEWORK

Set up a mobile workstation for enhanced stability and performance, and configure the device to best suit your needs with this simple, Windows®-based interface that's unique to HP. This feature enables availability of the latest graphics cards and drivers, and runs diagnostics of hardware and software to help the computer balance its tasks—from high-end graphics and large applications to digesting large volumes of data.

RAPID AND ROBUST

Handle more tasks simultaneously with the Intel® Core™2 Duo²³ processor, Intel® Core™2 Extreme processor and Intel® Core™2 Quad²³ processor available in HP Mobile Workstations. A choice of two or four execution cores provides a truly powerful multi-tasking environment, ideal for multimedia, modeling, analysis and rendering and for running multiple computer-intensive applications all at once. With a second, separately purchased HP Upgrade Bay hard disk drive (HDD), mobile workstations now support RAID 0 and RAID 1.

SOLUTIONS FOR SECURITY

Sensitive information left on the hard drive when a notebook is recycled or otherwise disposed of may pose a security threat. However, deleting data does not permanently remove stored information. When you delete a file, its name is removed from the hard drive directory, making the space occupied by the file available to new files. However, until overwritten by a new file, the deleted file continues to reside on the hard drive and may be recovered. Thus, while the conventional deletion process is fast and convenient, it may pose a security threat.

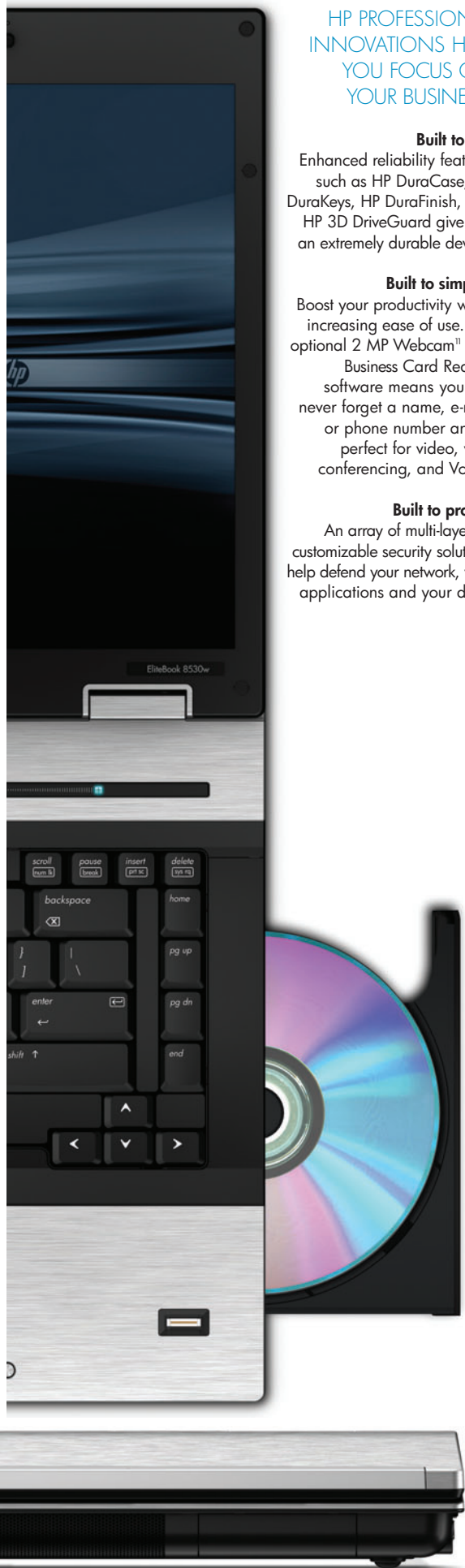
To help counter this threat, HP has introduced File Sanitizer for HP ProtectTools, which allows you to permanently erase individual files, folders and personally identifiable information that could otherwise potentially be used to identify, contact, or locate you. Files can be sanitized on command or you can use File Sanitizer to automatically shred selected information. With file sanitization, designated files are overwritten multiple times by meaningless data, rendering the files effectively unrecoverable. You can also use File Sanitizer's free space bleaching feature¹⁴ to bleach the hard drive at scheduled intervals.

SIMPLIFY YOUR MOBILE LIFE.

Mobile computing is a means to boost productivity. HP Mobile Workstations add features to achieve productivity as simply as possible. The new HP QuickLook2¹⁹ tool allows you to quickly browse your e-mail, calendars and contact information with a touch of a button, even if your workstation is turned off. That means convenient access to critical information.

HP Mobile Broadband powered by Gobi™ Technology—Gobi²⁰ a universal module that supports multiple cellular networks, brings built-in wide-area wireless broadband connectivity to your notebook nearly every part of the world. Available on the HP EliteBook 8530w, it allows connectivity beyond WiFi and enables you to easily switch between carriers without additional investment in hardware or software.

Intel® Centrino® 2 with vPro technology²⁵ means users are free to focus on their work while IT administrators are equipped to efficiently manage devices in remote and streamlined ways. Remote manageability also lowers the total cost of operating and makes it possible to strengthen security measures.



WHY BUY A MOBILE WORKSTATION?

Mobile Workstation versus a Standard Notebook

- Superior OpenGL graphics performance versus a non-workstation model
 - Workstations provide full hardware acceleration of 3D instruction sets.
 - All graphics processing and rendering is handled by the graphics controller and dedicated video memory.
 - Full floating point precision for superior image quality
 - High performance for large datasets and dual display/ultra-high resolution support
- Extensive ISV certification program
 - Helps verify that HP mobile workstations can reliably run some of the most demanding workstation specific applications that span across a wide range of vertical segments
- HP Performance Tuning Framework
 - Helps optimize hardware and software for increased productivity
- Higher display resolution support
 - Higher color gamut with DreamColor (8730w option)
 - WUXGA: 1920 x 1200
 - Dual link DVI resolution on external panels is available through optional docking

RELIABLE BY NATURE

Our HP Mobile Workstations are built to last. With HP Mobile Workstations, you get a reliable and durable mobile workstation that can go the distance. New features include HP DuraCase with a full magnesium alloy chassis, a magnesium/aluminum display enclosure bonded for solid protection, aircraft-inspired construction with anodized aluminum surfaces and a display latch with four-point lockdown. The HP 3D DriveGuard system protects valuable data against operational shocks to the device, and overall reliability is reinforced by the rigorous HP Total Test Process.

HP DURAKEYS

An innovative feature, HP DuraKeys is a clear coating applied to the keyboard that keeps keys looking newer, longer. According to an independent test, the printed characters on HP DuraKeys are 50 times more resistant to visible wear than keys without this feature. DuraFinish adds a scratch-resistant surface coating to palm rests and display covers.

TOUCH-SENSITIVE CONTROLS

Touch-sensitive controls give you the power to control applications with the touch of a finger. These sleek controls are also durable because they're level to the surface, moisture and particle-resistant, and have no moving parts, which all help enhance your notebook's reliability.

HP 3D DRIVEGUARD

HP 3D DriveGuard instinctively helps protect your data by parking the hard drive prior to a shock event, bump or drop to reduce your risk of losing valuable business information. The 3D digital accelerometer with motion detection commands the system to temporarily shut down and protect the hard drive in the event of impact. HP helps protect your critical information by keeping your hard drive parked while on the move. No other major competitor matches the level of protection provided by the HP solution.

HP TOTAL TEST PROCESS

Structural reliability is reinforced by a magnesium alloy support structure, metal alloy hinges and the HP spill-resistant keyboard, which defends against minor accidental spills. HP Mobile Workstations also benefit from the HP Total Test Process, a rigorous regime in which each HP product receives 95,000 hours of comprehensive analysis. Mechanical tests simulate the opening and closing of a mobile workstation ten times a day for six years (25,000 cycles), as well as seven years of keyboard usage (10 million keystrokes).

Such a strenuous approach to testing can reduce the issues for users in the field and give you confidence that HP Mobile Workstations can execute a wide range of applications and stand up to challenging operating environments.

FEATURES

HP DreamColor display—a new RGB LED Backlight display that provides a range of millions of colors in a 24-bit color display.

Intel Quad-Core processors—achieve shorter project cycle times and greater workflow parallelism in a stable, multi-threaded, multi-tasking environment.

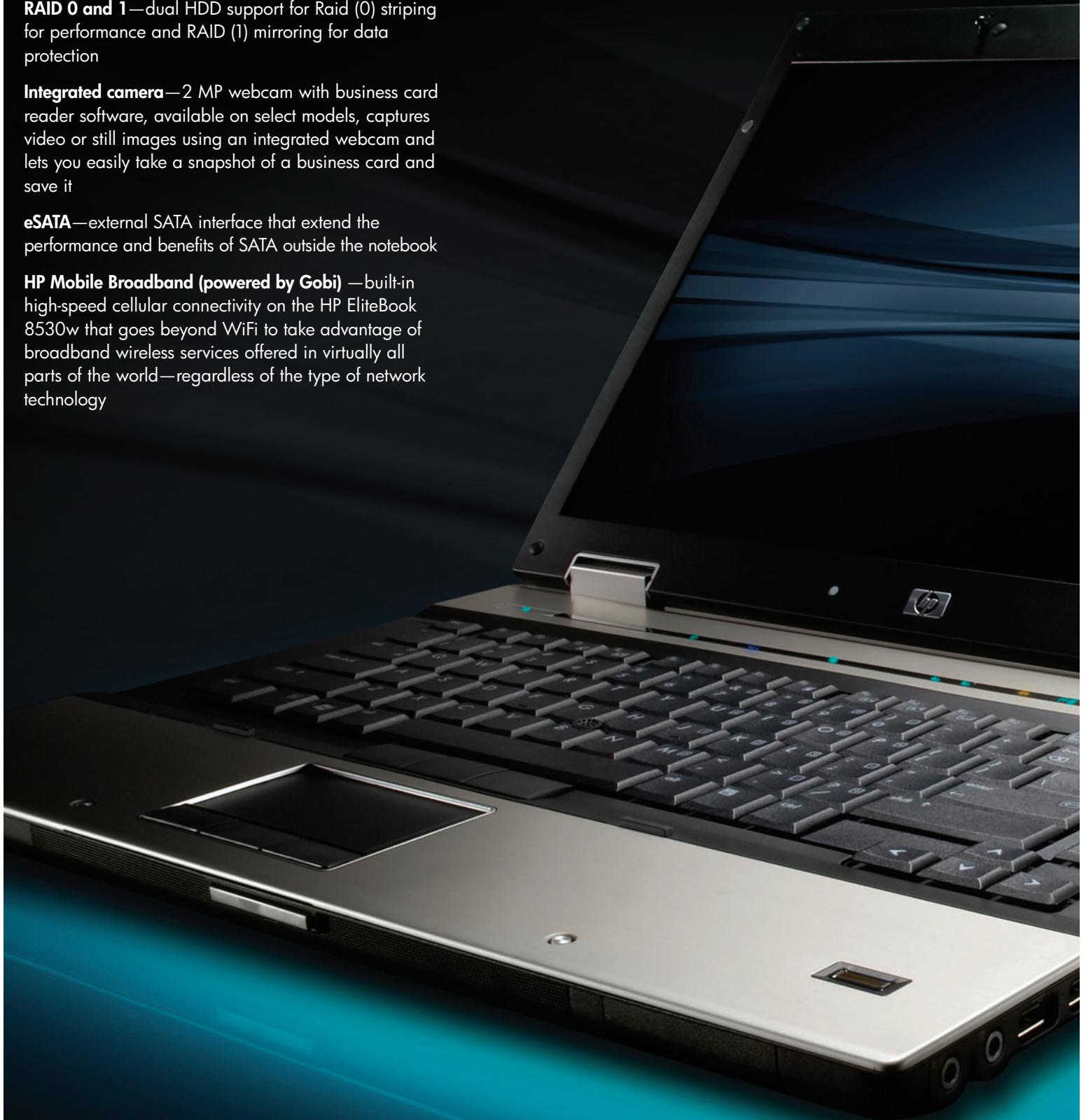
RAID 0 and 1—dual HDD support for Raid (0) striping for performance and RAID (1) mirroring for data protection

Integrated camera—2 MP webcam with business card reader software, available on select models, captures video or still images using an integrated webcam and lets you easily take a snapshot of a business card and save it

eSATA—external SATA interface that extend the performance and benefits of SATA outside the notebook

HP Mobile Broadband (powered by Gobi) —built-in high-speed cellular connectivity on the HP EliteBook 8530w that goes beyond WiFi to take advantage of broadband wireless services offered in virtually all parts of the world—regardless of the type of network technology

HP recommends Windows Vista® Business.





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ACCESSORIES = PRODUCTIVITY

HP has adopted a common accessory support strategy across notebooks and mobile workstations—providing you with ease of management and support. This common accessory strategy also helps you simplify purchases and deployment as well as reducing spare parts inventory. Your investment is protected because parts can be used by a wide variety of users, and IT resources are increased.

With a wide selection of HP accessories—ranging from docking solutions and adapters to memory upgrades—you can easily expand the capabilities and the flexibility of your mobile workstation.

HP Mobile Workstations are compatible with a variety of docking solutions, including HP Advanced Docking Station, HP Basic Docking Station and HP Mobile Port Replicator. These docking stations provide desktop convenience with full port replication. Connect a monitor, keyboard, mouse and other external devices for convenient cable management.

Battery life and power solutions are essential to productivity whether the user is on the go or at the office desk. Provide power to the workstation wherever you may be with a selection of optional batteries, chargers and adapters, including the HP Extended-Life Battery, HP Ultra-Capacity Battery, HP AC/Auto/Air Adapters and HP Smart AC Adapters. Increase the capacity of your HP Mobile Workstation with a variety of memory and storage features, such as HP Certified Memory, HP Optical Disk Drives, HP Wireless modules and HP Hard Disk Drives. Security measures can be reinforced with HP Smart Cards, the HP Privacy Filter and a security cable lock. And it's possible to enhance input with an HP USB/PS Optical Mouse and the HP Keyboard and Mouse bundles.

THE NEW, MORE POWERFUL, MOBILE WORKSTATIONS

Both new EliteBook Mobile Workstations give you exceptional power in a highly durable mobile workstation.

- Quad-Core power for multi-tasking
- Extensive ISV certifications
- eSATA port provides fast connection to an external storage device
- High-performance graphics with fast, precise rendering capabilities
- RAID capabilities for extra flexibility and security

The HP EliteBook 8530w Mobile Workstation provides the portability of a notebook with the power of a workstation.

- Intel® Core™2 Duo and Quad-Core²³ processors (including Extreme Edition²¹ processors)
- Genuine Windows Vista® Business.
- Next-generation 64-bit Intel mobile architecture with support for up to 8 GB of system memory
- ATI Mobility FireGL V5700 graphics controller with 256 MB of video memory or NVIDIA Quadro® FX 770M graphics controller with 512 MB of video memory
- Optional⁵ Gobi technology for wireless connectivity almost anywhere
- Thin and light form factor optimized around a 15.4-inch diagonal display
- HDMI, dual link DVI, when docked and optional⁵ BluDisc^{17, 18} R/W drive
- Optional⁵ 2 MP Webcam with Business Card Reader Software
- Starting weight of 6.3 lb/2.86 kg
- Over four hours of battery life²⁷

The HP EliteBook 8730w Mobile Workstation helps you tackle the most demanding applications and keeps you mobile. Get the broadest color support, richest visual quality, and consistently accurate results with the optional HP DreamColor display.

- Intel® Core™2 Duo and Quad-Core²³ Processors (including Extreme Edition²¹ processors)
- DreamColor to get exactly the color you want, every time
- Genuine Windows Vista® Business.
- Next generation 64-bit Intel mobile architecture with support for up to 8 GB²² of system memory
- ATI Mobility FireGL V5725 graphics controller with 256 MB of GDDR III video memory, NVIDIA Quadro® FX 2700M graphics controller with 512 MB of GDDR III video memory or NVIDIA Quadro® FX 3700M graphics controller with 1 GB of GDDR III video memory
- Thin and light form factor optimized around a 17-inch diagonal display
- HDMI, dual link DVI, when docked and optional Blu-Disc^{17, 18} R/W drive
- Optional 2 MP Webcam with Business Card Reader Software
- Full-sized keyboard with integrated numeric keypad
- Starting weight is 7.5lbs/3.40 kg
- Over three hours of battery life²⁷

TECHNICAL SPECIFICATIONS

HP EliteBook 8530w Mobile Workstation		HP EliteBook 8730w Mobile Workstation	
Processor	Intel® Core™24 Duo (up to 3.06 GHz, up to 6 MB L2 cache) ³ Intel® Core™24 Quad-Core ²⁶ (up to 2.53 GHz, up to 12 MB L2 cache) ³	Intel® Core™24 Duo (up to 3.06 GHz, up to 6 MB L2 cache) ³ Intel® Core™24 Quad-Core ²⁶ (up to 2.53 GHz, up to 12 MB L2 cache) ³	
Operating System	Genuine Windows Vista® ⁸¹ Business	Genuine Windows Vista® ⁸¹ Business	
Chipset	Mobile Intel PM45 Express Chipset (Discrete) Support for Intel® Centrino® 2 with vPro technology ²⁵	Mobile Intel PM45 Express Chipset Support for Intel® Centrino® 2 with vPro technology ²⁵	
Graphics	ATI Mobility FireGL V5700 with 256MB of video memory NVIDIA Quadro® FX 770M with 512MB of video memory	ATI Mobility FireGL V5725 with 256 MB of video memory NVIDIA Quadro® FX 2700M with 512 MB of video memory NVIDIA Quadro® FX 3700M with 1 GB of video memory	
Memory	DDR2 SDRAM, 800 MHz, two SODIMM slots supporting dual channel memory, 2048/4096 MB supports up to 8,192 GB maximum ²²	DDR2 SDRAM, 800 MHz, two SODIMM slots supporting dual channel memory, 2048/4096 MB supports up to 8,192 GB maximum ^{12,22}	
Primary Storage	SATA II hard drives: 160/250 GB 5400 rpm, 160/250/320 GB 7200 rpm, 80 GB Solid State Drive (SSD)	SATA II hard drives: 160/250 GB 5400 rpm, 160/250/320 GB 7200 rpm, 80 GB Solid State Drive (SSD)	
Opticals/Expansion	12.7-mm Upgrade Bay: Optical drives: Blu-ray, DVD-RW w/LightScribe and DVD or Secondary HDD: 250 GB 7200/250 GB 5400 rpm/320 GB 7200 rpm SATA II hard drive (1) ExpressCard/54 slot Media Card Reader (6-in-1)	12.7-mm Upgrade Bay: Optical drives: Blu-ray, DVD-RW w/LightScribe and DVD or Secondary HDD: 250 GB 7200/250 GB 5400 rpm/320 GB 7200 rpm SATA II hard drive (1) ExpressCard/54 slot Media Card Reader (6-in-1)	
Ports	(4) USB 2.0, RJ-11, RJ-45, headphone jack, microphone jack, docking, Smart AC adapter, VGA, secondary battery connector, 1394a, HDMI, eSATA	(4) USB 2.0, RJ-11, RJ-45, headphone jack, microphone jack, docking, Smart AC adapter, VGA, secondary battery connector, 1394a, HDMI, eSATA	
Communications	56K V.92 modem Intel 82567LM Gigabit Network Connection ¹⁰	56K V.92 modem Intel 82567LM Gigabit Network Connection ¹⁰	
Wireless	HP un2400 Mobile Broadband Module (requires mobile network operator service) (HP Mobile Broadband powered by Gobi; user upgradeable) ⁴ Intel® WiFi Link 5300 (802.11a/b/g/draft-n) ^{5,6} HP Integrated Bluetooth® Wireless Technology	Intel® WiFi Link 5300 (802.11a/b/g/draft-n) ^{5,6} HP Integrated Bluetooth® Wireless Technology	
Battery	8-cell (73 WHr) Lithium-Ion battery Optional HP Extended Life Battery (52 WHr) Optional HP Ultra-Capacity Battery (95 WHr)	8-cell (73 WHr) Lithium-Ion battery Optional HP Extended Life Battery (52 WHr) Optional HP Ultra-Capacity Battery (95 WHr)	
Display	15.4-inch diagonal WSXGA+ WVA (1680 x 1050) 15.4-inch diagonal WUXGA WVA (1920 x 1200)	17-inch diagonal WSXGA+ WVA (1680 x 1050) 17-inch diagonal WUXGA WVA (1920 x 1200) 17-inch diagonal WUXGA WVA DreamColor (1920 x 1200)	
Security	HP ProtectTools, Dedicated integrated Smart Card Reader, TPM Embedded Security Chip, HP Fingerprint Sensor, Optional HP Privacy Filter	HP ProtectTools, Dedicated integrated Smart Card Reader, TPM Embedded Security Chip, HP Fingerprint Sensor, Optional HP Privacy Filter	
Input Devices/Camera	Full-sized keyboard, enhanced dual pointing devices (touchpad and pointstick) with scroll zone, optional 2 MP Webcam with Business Card Reader Software	Full-sized keyboard with numeric keypad, enhanced dual pointing devices (touchpad and pointstick) with scroll zone, optional 2 MP Webcam with Business Card Reader Software	
Warranty	3-year limited warranty	3-year limited warranty	

HP recommends Windows Vista® Business.

¹ Certain Windows Vista product features require advanced or additional hardware. See www.microsoft.com/windowsvista/getready/hardwarereq.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.

² Above 3 GB, all memory may not be available due to system resource requirements.

³ Do not copy copyright-protected materials. Intended for creation and storage of your original material and other lawful uses. Double-layer discs can store more data than single-layer discs. Double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. LightScribe creates a monochrome image. LightScribe media required and sold separately. Note that DVD-RAM cannot read or write to 2.6 GB single-sided/5.2 GB double-sided—version 1.0 media.

⁴ Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by programs.

⁵ Some functionality of Intel Centrino Pro, such as Intel Active management technology and Intel Virtualization technology, requires additional third-party software. Availability of future "virtual appliances" applications is dependent on third-party software providers. Compatibility of this generation of Centrino Pro technology-based hardware with future "virtual appliances" and Microsoft Windows Vista operating system is to be determined.

⁶ Sold separately or purchased as an optional feature.

⁷ TPM module disabled where not permitted by law.

⁸ Only supported with Microsoft Windows Vista operating system.

⁹ Wireless, internet, and VoIP use require separately purchased service contract. Check with service provider for availability and coverage in your area. Available in select countries only.

¹⁰ The specifications for the 802.11n WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11n WLAN devices.

¹¹ Wireless access point required and is not included. Availability of public wireless access points limited.

¹² HP Fast Charge recharges your primary battery up to 90 percent within 90 minutes when the system is off. HP Fast Charge does not apply to 9-cell primary and 12-cell ultra-capacity batteries.

¹³ In independent testing conducted by Trace Laboratories, HP DuraKeys showed no wear after 250,000 cycles. Some competitor notebooks showed significant wear after only 5,000 cycles.

¹⁴ Only available with 15.4-inch monitor.

¹⁵ 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.

¹⁶ Wireless Internet and VoIP service contracts required.

¹⁷ As Blu-Ray is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played on this Desktop PC.

¹⁸ 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. Note that DVD-RAM cannot read or write to 2.6 GB Single Sided/5.2 GB Double Sided—Version 1.0 media. Don't copy copyright-protected materials.

¹⁹ HP Quicklook2 is accessible when the notebook is off or in hibernation from Windows XP or Vista. Timings may vary depending on the system configuration. Not available on "s" platforms.

²⁰ Gobi wireless technology requires separately purchased wireless data service contracts. Check with local service provider for coverage and availability in your area.

²¹ This (notebook) PC does not support the Intel Core 2 Extreme processor over-clocking feature.

²² Maximum memory capacities assume 64-bit operating systems. Microsoft® Windows® XP (32-bit) supports 4GB (with Microsoft 32-bit, the amount of usable memory will be dependent upon your system configuration. It may be less than 4GB); 32-bit Linux can support up to 8GB.

²³ Dual-core/quad-core is a new technology designed to improve performance of multi-threaded software products and hardware-aware multi-tasking 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.

²⁴ 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.

²⁵ Some functionality of this technology, such as Intel Active management technology and Intel Virtualization technology requires additional third-party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependant on third-party software providers. Compatibility with future "virtual appliances" and Microsoft Windows Vista operating system is yet to be determined.

²⁶ Dual/Quad-core is a new technology designed to improve performance of multi-threaded software products and hardware-aware multi-tasking 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.

²⁷ Battery life will vary depending on the product, model, configuration, loaded applications, features and power management settings. The maximum capacity of the battery will decrease with time and usage.

For more information on HP Mobile Workstations, please contact your HP representative or HP authorized reseller partner, or visit www.hp.com/go/mobileworkstations.

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