

HP EliteBook 8470w Mobile Workstation

HP's most travel-friendly workstation.

HP recommends Windows.



Workstation power. Notebook mobility.

Develop intense visuals and jaw-dropping animations with workstation-caliber graphics. The HP EliteBook 8470w is ISV-certified so your mobile workstation runs smoothly and reliably.

Expand your view to see multiple screens at once or enlarge your content across five displays for fine-tuning designs. AMD Eyefinity Technology¹ makes it possible. Enjoy sharper, deeper images when you plug your mobile workstation into your additional, independent displays through the DisplayPort connector.

Demanding projects require faster data access. Boot up quickly with the solid state drive (SSD). Replace the integrated optical drive with a second hard drive for data-hungry applications or RAID backup.

Withstands the rigors of mobile business.

When you invest in a computer this powerful, you want it to last. The HP EliteBook 8470w meets tough military standards (MIL-STD-810G) for drop, vibration, dust, temperature and altitude.²

With a 14-inch diagonal HD³ display, HP's most travel-friendly mobile workstation is easy to carry to project sites and meetings.

Rely on a notebook truly built for business.

Save time by quickly accessing your favorite files with Intel Smart Response Technology.⁴ You'll also gain fast response times for things like system boot and application startup.

Engage in video conferences,⁵ web-based trainings⁶ or streaming videos with smooth audio quality that'll surprise you. SRS Premium Sound PRO also allows you to share crisp, powerful sound directly from your mobile workstation. Forget the extra speakers during your presentations.

It's nice to have options. Choose a lightweight configuration or add extended battery life with multiple battery options. In fact, combining the HP Ultra Extended Life Notebook Battery⁷ with the 9-cell primary battery on a properly configured HP EliteBook 8470w offers the longest battery life of any 2012 HP mobile workstation.

EliteBook 8470w Mobile Workstation

Form Factor	
Operating system	<p>Preinstalled:</p> <ul style="list-style-type: none"> Windows 8 Pro 64⁸ Windows 7 Professional (available through downgrade rights from Windows 8 Pro)⁹ Windows 8 64⁸ Windows 7 Professional 32¹⁰ Windows 7 Professional 64^{10,11} Windows 7 Home Premium 64^{10,11} FreeDOS <p>Supported:</p> <ul style="list-style-type: none"> Windows 7 Enterprise¹⁰ Windows 7 Ultimate¹⁰ Windows XP Professional SUSE Linux Enterprise Desktop 11 SP2 Red Hat Enterprise Linux 6.x <p>Certified:</p> <ul style="list-style-type: none"> SUSE Linux Enterprise Desktop 11 SP2 Red Hat Enterprise Linux 6.x
Processor	3rd Generation Intel® Core™ i7 ¹² with Turbo Boost Technology; ¹³ 3rd Generation Intel® Core™ i5 ¹² with Turbo Boost Technology ¹³
Chipset	Mobile Intel® QM77 Express (vPro™ support ¹⁴)
Memory	DDR3 SDRAM, 1600 MHz, two slots supporting dual-channel memory, 2/4/8 GB SODIMMs, up to 16 GB total ¹⁵
Internal Storage¹⁶	180 GB SSD Intel SATA3 CV, 320/500/750 GB 7200 rpm SMART SATA II HDD, 500 GB 7200 rpm SED (Self Encrypting Drive) HDD, 128/180 GB SATA 6 GB/s SSD, or 256 GB SATA 6 GB/s SED SSD, HP 3D DriveGuard ¹⁷
Flash Cache	Optional 24 GB mSATA Flash cache module; ^{7,18} Support Intel Smart Response Technology
Upgrade Bay	12.7 mm SATA optical drive or secondary hard drive: Blu-ray R/RE DVD+/-RW SuperMulti DL Drive, ^{7,19} Blu-ray ROM DVD+/-RW SuperMulti DL Drive, ^{7,19} DVD+/-RW SuperMulti DL Drive, ^{7,19} DVD-ROM Drive, ⁷ 500 GB 7200 rpm secondary HDD; ^{7,16} or weight saver
Display	14.0" diagonal LED-backlit HD ³ anti-glare (1366 x 768), 14.0" diagonal LED-backlit HD+ ³ anti-glare (1600 x 900)
Graphics	AMD FirePro™ M2000 with 1 GB dedicated GDDR5 video memory; AMD Eyefinity Technology for advanced multi-monitor support ¹
Audio/Visual	High Definition Audio (SRS Premium Sound Pro), stereo speakers, stereo headphone/line out, stereo microphone in, optional HD ³ Webcam, ⁷ integrated dual-microphone array
Wireless Support^{6,7,20,21}	Optional HP It2522 LTE/EV-DO Mobile Broadband Module – U.S. only ²⁰ (no Win 8 support), Optional HP It2523 LTE/HSPA+ Mobile Broadband Module – U.S. only ²⁰ (no Win 8 support), Optional HP hs2350 HSPA+ Mobile Broadband; ^{7,20} Optional HP un2430 EV-DO/HSPA Mobile Broadband; ^{7,20} Intel® Centrino 802.11a/b/g/n 3x3; ²¹ Intel® Centrino 802.11a/b/g/n 2x2; ²¹ Broadcom 802.11a/b/g/n 2x2; ²¹ HP Integrated Module with Bluetooth® v4.0; HP Connection Manager
Communications	Integrated Intel® 82579LM Gigabit Network Connection (vPro™ support ¹¹); 56K v.92 modem ⁷
Ports and Connectors	2 USB 3.0 ports, 1 USB 2.0 charging port, eSATA/USB 2.0 combo, VGA, DisplayPort, stereo microphone in, stereo headphone/line out, 1394a, power connector, RJ-11 (optional modem), RJ-45(Ethernet), docking connector, secondary battery connector
Expansion Slots	1 ExpressCard/54, 1 Secure Digital
Input Devices	Full-sized spill-resistant keyboard with bottom case drain, touchpad with scroll and gestures support, point stick, launch buttons (Web browser, WLAN on/off, mute)
Software (Windows OS only)	HP Remote Graphics Software (pre-load), HP Power Assistant, ²² HP Recovery Manager, HP Support Assistant, Corel WinDVD (select model), Roxio Secure Burn ²³ (select models), Roxio MyDVD Business 2010 (select models), Adobe® Flash Player, PDF Complete Corporate Edition, WinZip Basic, HP Performance Advisor, HP GPS and Location ²⁴ (select models), Microsoft Office 2010 60 days trial (Windows 8); Microsoft Office Starter (Windows 7 only). ²⁵ Custom Integration Services provides tailor-made, turnkey solutions for Business Ready PCs.
Security	Standard: Microsoft Security Essentials, HP ProtectTools, ¹⁷ Central Management for HP ProtectTools, ²⁶ TPM Embedded Security Chip 1.2, HP Fingerprint Sensor, Pre-Boot Security, HP SpareKey, ²⁷ HP Disk Sanitizer, ²⁸ Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, Face Recognition for HP ProtectTools, ²⁹ File Sanitizer for HP ProtectTools, ²⁸ Smart Card Reader, Intel® AT (requires a Computrace subscription)(select Models), ³⁰ Device Access Manager with Just in Time Authentication or One Time Password ⁷ (DigitalPass), Secure Erase, DriveLock, Automatic DriveLock, Password Manager for HP ProtectTools, Privacy Manager for HP ProtectTools, security lock slot Optional: Computrace, ^{7,31} HP Privacy Filter ⁷
Dimensions (w x d x h)	13.31 x 9.11 x 1.25 in (at front); 33.8 x 23.1 x 3.2 cm (at front)
Weight	Starting at 4.96 lb (2.25 kg) with SSD and weight saver; 5.27 lb (2.39 kg) with SSD and optical drive (weight will vary by configuration)
Power	9-cell (100 WHr) Lithium-Ion battery, ³² 6-cell (62 WHr) Lithium-Ion battery, ³² 6-cell (55 WHr) HP Long Life Battery (3-year), ³² optional HP ST09 Extended Life Notebook Battery (73 WHr), ^{7,32} optional HP BB09 Ultra Extended Life Notebook Battery (100 WHr), ^{7,32} 90W HP Smart AC Adapter, HP Fast Charge ³³
Expansion Solutions⁷	HP 90W Docking Station, HP 120W Advanced Docking Station, HP 230W Docking Station, HP USB Docking Station 2.0, HP Essential USB 2.0 Port Replicator, HP Dual Hinge Notebook Stand, HP Display & Notebook Stand, HP Adjustable Display Stand, HP Adjustable Dual Display 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 ⁷ are extended service contracts which go beyond your standard warranties. ³⁴ For more details, visit hp.com/go/lookuptool .

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1. Windows 8 Pro⁸
2. Optional HD Webcam^{3,7}
3. 14.0" diagonal HD³ anti-glare display
4. Full-size keyboard
5. Point stick
6. USB 3.0 ports



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Screen image courtesy of PTC

- Requires AMD discrete graphics configuration. HP EliteBook 8470w supports up to five total displays when using with the HP Advanced docking station. The advanced docking station is sold separately.
- 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.
- HD content required to view HD images.
- Requires a compatible Intel® Core processor, enabled chipset, Intel® Rapid Storage technology software and non-SED HDD + optional mSATA SSD flash cache module and non-WWAN configuration. Intel® Smart Response Technology is only available on select 2012 HP systems. Depending on system configuration, results may vary.
- Video conferencing is available on configurations with the optional 720p HD webcam.
- Internet access required.
- Sold separately or as an optional feature.
- Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See microsoft.com for details.
- This system is preinstalled with Windows 7 Pro software and also comes with a license and media for Windows 8 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
- This system may require upgraded and/or separately purchased hardware to take full advantage of Windows 7 functionality. Not all features are available in all editions of Windows 7. See microsoft.com/windows/windows-7/ for details.
- Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 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. Intel's numbering is not a measurement of higher performance.
- Intel® Turbo Boost 2.0 technology requires a PC with a processor with Intel Turbo Boost 2.0 capability. Intel Turbo Boost 2.0 performance varies depending on hardware, software and overall system configuration. See intel.com/technology/turboboost for more information.
- Some functionality of this technology, such as Intel® Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Microsoft Windows required.
- 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.
- 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 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.
- For Hard Disk Drives (HDD), GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) of system and up to 30 GB (for Windows 8) disk is reserved for system recovery software.
- Requires Microsoft Windows.
- Not available with SSD or Self-Encrypting Drive or Wireless WAN Broadband module.
- Blu-ray contains 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 an HDMI digital connection and your display may require HDCP support. HD DVD disks cannot be played on this drive. Note that DVD-ROM cannot read or write to 2.6 GB Single Sided/5.2 GB Double Sided – Version 1.0 media. Actual speeds may vary. Don't copy copyright-protected materials. Double Layer discs can store more data than single layer discs; discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.
- Wireless use requires separately purchased service contract. Check with your local vendor for coverage area and availability in your area. Connection and speeds will vary due to location, environment, network conditions, and other factors. 4G compatibility with HSPA+ and LTE. 4G LTE is only available in the United States and requires Windows 7.
- Wireless access point and Internet service required. Availability of public wireless access points limited.
- 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 epa.gov/egrid/. Regional results will vary. Microsoft Windows required. Requires discrete graphics configuration.
- Do not copy copyright-protected materials.
- 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. Internet access required.
- Includes reduced functionality versions of Word and Excel. Purchase of Product Key required to activate full Office 2010 suite available at participating resellers/retailers and office.com.
- In order to deploy and receive updated policies, the client needs to be connected to the network server and requires separately purchased DigitalPersona Pro software. System access may not prevent users from logging into the system on the first attempt if policy updates haven't yet been received and applied. Requires Microsoft Windows.
- Requires initial user set up.
- For the use cases outlined in the DOD 5220.22-M Supplement. Does not support Solid State Drives (SSDs). Initial setup required. Web history deleted only in Internet Explorer and Firefox browsers and must be user enabled.
- Microsoft Windows and webcam required.
- Intel® AT security requires a separately purchased Absolute Computrace service subscription and must be activated and configured. Check with Absolute for availability in your country. Intel and HP assume no liability for lost or stolen data and/or systems or any other damages resulting therefrom. See absolute.com/en/partners/alliances/intel.
- The Computrace agent is shipped turned off, and must be activated by customers when they purchase a subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S.
- Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark07 battery benchmark bapco.com/products/mobilemark2007 for additional details.
- Fast Charge Technology recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to the HP Ultra Extended Life or 9-cell batteries. When the PC is powered on, charge time may increase and will vary based on the workload of the notebook PC.
- Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit hp.com/go/lookuptool.

Learn more

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