Datasheet

HP EliteBook 850 G3 Notebook PC

Impressively thin and light, the HP EliteBook 850 empowers users to create, connect, and collaborate, using enterprise-class performance technology that helps keep you productive in and out of the office.

HP recommends Windows 10 Pro.

- Windows 10 Pro[1]
- Screen Size: 15.6" diagonal

Portable powerhouse

Combine high performance technology and long battery life with Windows 10 Pro,[1] 6th Gen Intel® Core™ processors,[2] and a PCIe Gen3 SSD.[3] Drive performance with DDR4 memory technology and dual storage options[3] that provide fast and easy access to demanding business applications and fast access to data.

Slim new design with all the right ports

Connect to essential ports without the hassle of dongles. At just 19.4 mm, the ultraslim and light HP EliteBook 850 comes with VGA, Display Port, RJ-45 USB, USB-C, and enterprise docking capabilities.

Strong security, powerful manageability

Protect, detect, and recover from malicious attacks with HP Sure Start with Dynamic Protection - the industry's first self-healing BIOS that monitors and corrects BIOS corruption every 15 minutes.

Designed for collaboration

Replace your speaker phone with the HP EliteBook 850 with Audio by Bang & Olufsen plus HP Noise Reduction Software that provides a rich collaboration experience for optional applications like Skype for Business.[3]

Featuring

- Power through your day with Windows 10 Pro[1] and the powerful, sleek, thin, and light HP EliteBook 850.
- HP Sure Start with Dynamic Protection checks your BIOS every 15 minutes to detect attacks and corruption then self-heals the BIOS automatically.
- Enjoy a remarkable balance of comfort and feedback with the HP Premium Keyboard with a full numeric keypad.
- Get the speed and space you need without having to use external storage. Dual drive support options quickly boot, wake, and run your system on a fast SSD4 and let you maintain access to your files with a high-capacity HDD.[3]
- AMD Radeon™ R7 discrete graphics[3] deliver visually stunning images and video.
- Expand your system's memory, battery, storage, and WWAN components.[4]
- Experience the difference with HP Clear Sound AMP and the HP EliteBook 850 speakers.
- Suppress background noise including keyboard clicks with HP Noise Reduction Software.

HP recommends Windows 10 Pro.

HP EliteBook 850 G3 Notebook PC Specifications Table

Available Operating System	Windows 10 Pro 64 – HP recommends Windows 10 Pro. [1] Windows 10 Home 64 [1] Windows 7 Professional 32 (available through downgrade rights from Windows 10 Pro 64) [2] Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) [2] Windows 8.1 Pro 64 [3] Windows 8.1 64 [3] Windows 7 Professional 32 [3] Windows 7 Professional 64 [3] FreeDOS 2.0 NeoKylin Linux 64 [24]
Processor Family	Intel® Core™ i7 processor; Intel® Core™ i5 processor; Intel® Core™ i3 processor [4]
Available Processors	Intel® Core™ i7-6600U with Intel HD Graphics 520 (2.6 GHz, up to 3.4 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores) Intel® Core™ i7-6500U with Intel HD Graphics 520 (2.5 GHz, up to 3.1 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores) Intel® Core™ i5-6300U with Intel HD Graphics 520 (2.4 GHz, up to 3 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores) Intel® Core™ i5-6200U with Intel HD Graphics 520 (2.3 GHz, up to 2.8 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores) Intel® Core™ i3-6100U with Intel HD Graphics 520 (2.3 GHz, 3 MB cache, 2 cores) Intel® vPro™ Technology (select models)[4,5]
Chipset	Chipset is integrated with processor
Maximum Memory	32 GB DDR4-2133 SDRAM [6] (Transfer rates up to 2133 MT/s. SODIMM slots are customer accessible/upgradeable. Supports dual channel memory.)
Memory Slots	2 SODIMM
Internal Storage	500 GB SATA (7200 rpm) [7] 1 TB SATA (5400 rpm) [7] 500 GB SATA SED (7200 rpm) [7] 500 GB SATA FIPS 140-2 SED (7200 rpm) [7] 180 GB up to 240 GB M.2 SATA MLC SSD [7] 180 GB up to 512 GB M.2 SATA MLC SED SSD [7] 128 GB up to 512 GB M.2 SATA TLC SSD [7] 256 GB M.2 PCIe SSD [7]
Display	15.6" diagonal HD SVA anti-glare slim LED-backlit (1366 x 768); 15.6" diagonal FHD SVA anti-glare slim LED-backlit (1920 x 1080); 15.6" diagonal UHD UWVA anti-glare slim LED-backlit (3840 x 2160); 15.6" diagonal FHD SVA slim LED-backlit touch screen (1920 x 1080) [13,23]
Available Graphics	Integrated: Intel® HD Graphics 520 Discrete: AMD Radeon™ R7 M365X (1 GB GDDR5 dedicated)
Audio	Audio by Bang & Olufsen; Integrated dual array microphone; Integrated premium speakers; HP Noise Reduction Software; HP Clear Sound Amp
Wireless Technologies	HP lt4120 Qualcomm® Snapdragon™ X5 LTE Mobile Broadband Module; HP hs3110 HSPA+ Mobile Broadband; Intel 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 Combo; Intel 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.0 Combo; Near Field Communication (NFC) module (optional); Intel® Pro Wireless Display (WiDi Pro); Intel® Dual Band Wireless-AC 3165 802.11a/b/g/n/ac (1x1) WiFi and Bluetooth® 4.2 Combo [8,9,10,11,12,23] (Support for Miracast (Windows 8.1 and Windows 10))
Communications	Intel® Ethernet Connection I219-V 10/100/1000 (with Intel® i3-6100U, i5-6200U, and i7-6500U); Intel® Ethernet Connection I219-LM 10/100/1000 (with Intel® i5-6300U and i7-6600U)
Expansion Slots	1 media card reader; 1 external SIM (Supports SD, SDHC, SDXC.)
Ports and Connectors	1 USB 3.0; 1 USB 3.0 charging; 1 USB Type-C™; 1 DisplayPort; 1 VGA; 1 headphone/microphone combo; 1 AC power; 1 RJ-45; 1 docking connector
Input Device	Spill-resistant keyboard with drain; Spill-resistant backlit keyboard with drain and DuraKeys (optional); Glass touchpad (with chemically etched surface) with on/off button, supports 2-way scroll, taps and gestures enabled by default, two-finger scrolling, two finger zoom (pinch), Pointstick
Camera	720p HD webcam (select models) [13,25,26,27]
Available Software	Buy Office; HP BIOSphere; HP Sure Start with Dynamic Protection; HP Client Security; HP ePrint Driver; HP Support Assistant; HP Image Assistant; HP SoftPaq Download Manager; HP 3D Driveguard; HP Connection Manager (models with Windows 7 only); HP Mobile Connect Pro (models with Windows 8.1 and Windows 10); HP Recovery Manager; HP Noise Reduction Software [14,15,16,17,18,19,22]
Security Management	Security lock slot (lock must be purchased separately); TPM 1.2/2.0; Integrated smart card reader (active); Preboot Authentication (password, Smart Card); HP Fingerprint reader (optional) [20]
Power	45 W Smart AC adapter; 45 W Smart AC adapter 2-prong (Japan only); 65 W Smart AC adapter; 65 W EM Smart AC adapter (China and India only) HP Long Life 3-cell, 46 WHr Li-ion polymer Up to 12 hours and 30 minutes[24]
Dimensions	15.09 x 10.1 x 0.76 in (non-touch); 15.09 x 10.1 x 0.82 in (touch) 38.33 x 25.77 x 1.94 cm (non-touch); 38.33 x 25.77 x 2.08 cm (touch)

HP recommends Windows 10 Pro.

Weight	Starting at 4.06 lb (non-touch); Starting at 4.54 lb (touch) Starting at 1.84 kg (non-touch); Starting at 2.06 kg (touch) (Weight will vary by configuration.)
Environmental	Low halogen [21]
Energy Efficiency Compliance	ENERGY STAR® certified configurations available

HP recommends Windows 10 Pro.

HP EliteBook 850 G3 Notebook PC

Accessories and services (not included)

HP UltraSlim Docking Station

Designed exclusively for ultraslim HP EliteBook Notebook PCs, the HP UltraSlim Docking Station expands display, network, and device connectivity so you can be more productive throughout the day—all through a simple one-click slide-in side dock.
Product number: D9Y32AA

HP Conferencing Keyboard

Drive your Microsoft Lync voice and video calls directly from your HP Conferencing Keyboard and connect, disconnect, and manage your calls and videoconferencing settings with simple dedicated keys[1].
Product number: K8P74AA

HP Docking Station Cable Lock

The HP Docking Station Cable Lock is dramatically simpler to use than previous locks and delivers enhanced security. The HP Docking Station Cable Lock gives you two locking options: lock the docking station only (which also prevents access to the advanced docking stations drive bay) or lock both the docking station and the notebook.
Product number: AU656AA

HP Master Keyed Docking Station Cable Lock

The HP Docking Station Cable Lock is dramatically simpler to use than previous locks and delivers enhanced security. The HP Docking Station Cable Lock gives you two locking options: lock the docking station only (which also prevents access to the advanced docking stations drive bay) or lock both the docking station and the notebook.
Product number: AY474AA

HP 15.6 Executive Brown Top Load

Protect your bag's contents while you're on the move with the brown HP Executive Top Load, which has a lockable, double-teeth zippered notebook compartment, secure RFID pocket to safeguard your ID, and a discrete pocket for an optional tracking device.[1]
Product number: P6N19AA

HP 3 Year Next Business Day Onsite Hardware Support W/Accidental Damage Protection

Care Pack

When hardware issues come up, the sooner you can get running again, the better. Have expertise at the ready with HP Hardware Next Business Day Onsite Service with Accidental Damage Protection, and vastly improve your product uptime. With high-quality remote assistance or convenient onsite support available the next business day, help is there when you need it—so you can get back to work
Product number: UC282E (for 1 year platforms), UC279E (for 3 year platforms)

HP recommends Windows 10 Pro.

Messaging Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.microsoft.com.
[2] 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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
[3] Sold separately or as an optional feature.
[4] WWAN is an optional feature and use requires separately purchased service contract. Check with service provider for coverage and availability in your area.

Technical Specifications Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.microsoft.com.
[2] This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 10 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.
[3] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. See http://www.microsoft.com.
[4] 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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
[5] Some vPro™ functionality, 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.
[6] Maximum memory capacities assume Windows 64-bit operating systems. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
[7] For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 8 and 10) is reserved for system recovery software.
[8] All wireless options are sold separately or as optional features.
[9] For all 802.11 wireless, wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.
[10] WWAN is an optional feature and requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.
[11] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast.
[12] Integrated Intel Wi-Di feature is available on select configurations preinstalled with Windows 7 or Windows 8.1 only and requires separately purchased projector, TV or computer monitor with an integrated or external Wi-Di receiver. External Wi-Di receivers connect to the projector, TV or computer monitor via a standard HDMI cable, also sold separately.
[13] HD content required to view HD images.
[14] ePrint requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see www.hp.com/go/eprintcenter). Requires optional broadband module. Broadband use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary.
[15] HP Mobile Connect Pro is only available on preconfigured devices with WWAN. For geographic availability refer to www.hp.com/go/mobileconnect.
[16] HP Client Security requires Windows.
[17] HP 3D DriveGuard requires Windows.
[18] HP Support Assistant requires Windows.
[19] BIOSphere features may vary. Available only on business PCs with HP BIOS.
[20] This product ships with TPM 1.2 with option to upgrade to TPM 2.0. Upgrade utility is expected to be available by the second half of 2016 via HP Customer Support.
[21] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
[22] HP Image Assistant is available download at: http://www.hp.com/go/clientmanagement.
[23] HP EliteBook 850 G3 UHD panel is not compatible with WWAN.
[24] Windows 10/MM14 battery life will vary depending on various factors including 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 www.bapco.com for additional details.
[25] Sold separately or as an optional feature.
[26] Internet access required.
[27] Optimizes image quality under low light conditions and fixed focus lens.

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