



HP EliteBook 850 G6 Notebook PC

The standout business PC

Uniquely designed for the modern mobile professional, the HP EliteBook 850 is a highly secure and manageable PC offering powerful collaboration tools, enabling the enterprise workforce to be more productive and secure on the go or in the office.



HP recommends Windows 10 Pro.

Brilliant design

- This ultraslim distinctively designed aluminum laptop with an optional ultra-bright anti-glare display² adapts to any environment, for an optimal viewing experience wherever you work.

Built on a secure foundation

- Protect your PC against the evolving malware threats of the future, with self-healing and manageable hardware-enforced security solutions from HP. From the BIOS to the browser HP Sure Start Gen5⁴ and HP Sure Click⁵ help secure your PC.

Crystal-clear collaboration

- Calls sound clear and crisp with advanced collaboration features like HP Noise Cancellation. Loud top-firing speakers produce rich sound. The world-facing third microphone and collaboration keys help make PC calls productive.
- Power through your work day with Windows 10 Pro and the powerful security, collaboration and connectivity features from HP.¹
- Help speed up demanding business applications with an optional 8th Gen quad-core Intel® Core™ processor.⁶
- Malware is evolving rapidly and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.⁸
- Power through creative applications using high resolution 4K displays with optional AMD Radeon™ 550X Discrete Graphics.⁹
- Your "office" can be where you need it, letting you stay connected almost everywhere with up to gigabit class 4G LTE.¹¹
- Get gigabit speed with optional Wi-Fi® 6 (802.11ax) on the HP EliteBook 850.^{9,13,14}
- Never wonder if someone is watching you with the added peace-of-mind that comes from the integrated HP Privacy Camera, with a physical shutter to protect from malicious surveillance.¹⁵
- Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start Gen5, the self-healing BIOS that automatically recovers itself from attacks or corruption.⁴
- To get control of your PC, attackers first need to take down its defenses. Keep critical security protections up and running with HP Sure Run Gen2.¹⁶
- Help protect your PC from websites and attachments with malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.⁵
- Advanced malware attacks can destroy your OS and disrupt your business. HP Sure Recover Gen2 ensures fast, secure, and automated recovery of your OS with only a network connection, so you can minimize downtime and get back to business fast.¹⁷

HP EliteBook 850 G6 Notebook PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 ¹ Windows 10 Pro 64 (National Academic only) ² Windows 10 Home 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Home Single Language 64 ¹ Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement) ¹ FreeDOS
Processor family ⁶	8th Generation Intel® Core™ i7 processor (i7-8565U); 8th Generation Intel® Core™ i5 processor (i5-8265U); 8th Generation Intel® Core™ i7 processor (i7-8665U); 8th Generation Intel® Core™ i5 processor (i5-8365U)
Available Processors ^{3,4,5,6}	Intel® Core™ i7-8565U with Intel® UHD Graphics 620 (1.8 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i7 8665U vPro™ processor with Intel® UHD Graphics 620 (1.8 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i5-8265U with Intel® UHD Graphics 620 (1.6 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores); Intel® Core™ i5 8365U processor with Intel® UHD Graphics 620 (1.6 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores)
Display size (diagonal)	15.6" ^{14,16,17,42}
Maximum memory	32 GB DDR4-2400 SDRAM ⁷ Both slots are customer accessible/upgradeable. Supports dual channel memory.
Memory slots	2 SODIMM
Internal storage	up to 512 GB Intel® PCIe® NVMe™ QLC M.2 SSD with 32 GB Intel® Optane™ memory H10 ^{8,40,41} up to 256 GB Intel® PCIe® NVMe™ QLC M.2 SSD with 16 GB Intel® Optane™ memory H10 ^{8,40,41} 256 GB up to 2 TB PCIe® Gen3x4 NVMe™ M.2 SSD TLC ⁸ up to 512 GB M.2 SATA FIPS 140-2 SSD TLC ⁸ up to 512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC ⁸ up to 512 GB PCIe® M.2 Value SSD ⁸ up to 256 GB PCIe® NVMe™ Value M.2 SSD ⁸ up to 256 GB M.2 SATA-3 SED SSD ⁸ up to 128 GB M.2 SATA-3 SSD TLC ⁸
Display	15.6" diagonal FHD eDP anti-glare WLED-backlit slim, 250 nits, 45% NTSC (1920 x 1080); 15.6" diagonal FHD eDP + PSR anti-glare WLED-backlit slim, 400 nits, 72% NTSC (1920 x 1080); 15.6" diagonal UHD IPS eDP anti-glare WLED-backlit slim, 400 nits, 72% NTSC (3840 x 2160); 15.6" diagonal FHD eDP anti-glare On-Cell WLED-backlit slim touch screen, 250 nits, 45% NTSC (1920 x 1080) ^{14,16,17,42}
Available Graphics	Integrated: Intel® UHD Graphics 620 ¹⁴ Discrete: AMD Radeon™ RX 550 (up to 2 GB GDDR5 of dedicated video memory) ^{16,18} (Support HD Decode, DX12, and HDMI 1.4b.)
Audio	Bang & Olufsen, dual stereo speakers, 3 multi array microphone
Wireless technologies	Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, vPro™; Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, non-vPro™; Intel® XMM™ 7360 LTE-Advanced Cat 9; Intel® XMM™ 7560 LTE-Advanced Cat 16; Intel® XMM™ 7262 LTE-Advanced Cat 6; Intel® AX200 Wi-Fi 6 (2x2) and Bluetooth® 5 Combo, vPro™; Intel® AX200 Wi-Fi 6 (2x2) and Bluetooth® 5 Combo, non-vPro™ ^{9,10,11,12} (Compatible with Miracast-certified devices.)
Ports and Connectors	2 USB 3.1 Gen 1 (charging); 1 Thunderbolt™ (USB Type-C™ connector); 1 RJ-45; 1 headphone/microphone combo; 1 HDMI 1.4b; 1 docking connector; 1 AC power (Cables are not included.)
Input devices	HP Premium Collaboration Keyboard, spill resistant with drain, optional backlit keyboard and DuraKeys ¹⁵ ; Clickpad with multi-touch gesture support, taps enabled as default; Precision Touchpad with multi-touch gesture support ¹⁶ Ambient light sensor
Communications	HP Module with NXP NFC Controller NPC300 I2C NCI; Intel® I219-LM GbE, vPro™; Intel® I219-V GbE, non-vPro™ ¹³
Camera	720p HD camera; HD IR webcam ^{14,16}
Available Software	HP Connection Optimizer; HP Hotkey Support; HP Image Assistant; HP JumpStart; HP Noise Cancellation Software; HP Support Assistant; Native Miracast support; Buy Office (Sold separately) ^{19,20}
Security management	Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Fingerprint Sensor; Power-on authentication; Preboot authentication; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure Click; Windows Defender; HP Sure Start Gen5; HP Sure Run Gen2; HP Sure Recover Gen2; HP BIOSphere Gen5; HP Client Security Gen5; HP Sure Sense ^{23,25,26,27,28,29,30,31,32,33,39}
Management features	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen3 ^{21,22}
Power	HP Smart 65 W External AC power adapter; HP Smart 65 W EM External AC power adapter; HP Smart 65 W USB Type-C™ adapter; HP Smart 45 W External AC power adapter; HP Smart 45 W USB Type-C™ adapter; HP Smart 45 W 2-prong External AC power adapter ^{34,35}
Battery type	HP Long Life 3-cell, 56 Wh Li-ion ³⁴
Dimensions	37 x 25.17 x 1.82 cm
Weight	Starting at 1.78 kg (Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® 7.0 certified; EPEAT® 2019 Gold ³⁷
Environmental specifications	Low halogen; TCO 8.0 Certified ³⁸
Warranty	HP Services offers 1-year limited warranties and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc .

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Accessories and services (not included)

HP Exec 15.6 Midnight Top Load

Product number: 1KM15AA

HP Elite Presenter Mouse

Product number: 2CE30AA

HP Thunderbolt Dock 120W G2

Product number: 2UK37AA

HP 65W USB-C Slim Travel Power
Adapter

Product number: 3PN48AA

HP 3-year Travel Next Business Day
Onsite Notebook Only Service

Product number: UC909E

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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.windows.com>.
- ² Ultra-bright display is an optional feature that must be installed at the factory.
- ³ HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.
- ⁴ HP Sure Click is available on select HP platforms and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.
- ⁵ Intel® Quad Core™ processors are optional. Multicore 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, branding and/or naming is not a measurement of higher performance.
- ⁶ HP Sure Sense requires Windows 10. See product specifications for availability.
- ⁷ Sold separately or as an optional feature.
- ⁸ Cat 16 4G LTE module is optional and must be configured at the factory. This module supports gigabit class speeds on select networks, currently available in the UK only. The full utilization of this module's functionality is dependent on network providers' technical ability to support this network and speed. Backwards compatible to HSPA 3G technologies. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Download speeds up to one gigabit per second. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors.
- ⁹ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft 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 802.11ax devices.
- ¹⁰ Wi-Fi® supporting gigabit speeds is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
- ¹¹ HP Privacy Camera only available PCs equipped with HD or IR camera and must be installed at the factory.
- ¹² HP Sure Run Gen2: See product specifications for availability.
- ¹³ HP Sure Recover Gen2: See product specifications for availability. Requires an open, wired network connection. Not available on platforms with multiple internal storage drives. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover (Gen1) does not support platforms with Intel® Optane™.

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.windows.com>.
- ² Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.
- ³ Multicore 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, branding and/or naming is not a measurement of higher performance.
- ⁴ Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- ⁵ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
- ⁶ In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.
- ⁷ Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.
- ⁸ For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.
- ⁹ Wireless access point and internet service required and sold separately. 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 Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft 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 802.11ax devices.
- ¹¹ Gigabit class Category 16 4G LTE module is optional and must be configured at the factory. Module designed for up to 1 Gbps download speeds as carriers deploy 5 carrier aggregation and 100MHz channel bandwidth, requires activation and separately purchased service contract. Backwards compatible to HSPA 3G technologies. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.
- ¹² Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- ¹³ The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.
- ¹⁴ HD content required to view HD images.
- ¹⁵ Backlit keyboard is an optional feature.
- ¹⁶ Sold separately or as an optional feature.
- ¹⁷ Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- ¹⁸ AMD Dynamic Switchable Graphics technology requires an Intel processor, plus an AMD Radeon™ discrete graphics configuration and is not available on FreeDOS and Linux OS. With AMD Dynamic Switchable Graphics technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGL applications will run on the integrated GPU or the APU as the case may be).
- ¹⁹ HP Support Assistant requires Windows and Internet access.
- ²⁰ Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- ²¹ HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- ²² HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- ²³ Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
- ²⁴ HP Fingerprint Sensor sold separately or as an optional feature.
- ²⁵ Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT). re TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).
- ²⁶ HP Sure Click is available on select HP platforms and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.
- ²⁷ Windows Defender Opt in and internet connection required for updates.
- ²⁸ HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.
- ²⁹ HP Sure Run Gen2: See product specifications for availability.
- ³⁰ HP Sure Recover Gen2: See product specifications for availability. Requires an open, wired network connection. Not available on platforms with multiple internal storage drives. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover (Gen1) does not support platforms with Intel® Optane™.
- ³¹ HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
- ³² HP Client Security Manager Gen5 requires Windows and is available on the select HP Pro and Elite PCs. See product specifications for details.
- ³³ Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.
- ³⁴ Availability may vary by country.
- ³⁵ HP Care Packs are sold separately. 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 www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
- ³⁶ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
- ³⁷ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- ³⁸ HP Sure Sense requires Windows 10. See product specifications for availability.
- ³⁹ Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Requires 8th Gen or higher Intel® Core™ processor, BIOS version with Intel® Optane™ supported, Windows 10 64-bit, and an Intel® Rapid Storage Technology (Intel® RST) driver.
- ⁴⁰ Intel® Optane™ memory H10 only for Intel® PCIe® NVMe™ QLC M.2 SSD.
- ⁴¹ Touch-enabled display and Sure View privacy panel will lower actual brightness.

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