Datasheet

HP EliteBook 845 G8 Notebook PC

Easily manage your busy day

Confidently connect and stay productive in almost any setting with a beautifully designed and highly secure HP EliteBook 845. Designed for the multi-task, multi-place workday, this thin and light PC is built for how you work.

*Product image may differ from actual product

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Designed for how you work

- The HP EliteBook 845 is built for how you work today. This easy to carry ultralight and thin business PC comes with an 85-percent screen-to-body ratio and a quiet and comfortable keyboard to work on.

Protected by HP Wolf Security

- HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.[1]

Power, connectivity, long battery life

- How we work is evolving quickly. Help drive connectivity and productivity with a premium AMD Ryzen™ Processor[2], optional 4G LTE[3], and long battery life.
- Work with a powerful, highly secure, and reliable AMD Ryzen™ Processor that helps defend against cold boot attacks with real-time encryption and decryption of your system's memory.[2]
- Instantly block prying eyes' ability to view your screen with optional HP Sure View Reflect that produces a copper reflective finish when the screen is viewed from the side making it appear unreadable.[6]
- Driving support for more environmentally conscious products, we use ocean-bound plastics in the speaker enclosure and the outer box packaging is 100- percent sustainably sourced.[7,8]
- Tune your headphone audio for an immersive sound experience specifically tailored to your preferences with HP Sound Calibration. AI-based HP Dynamic Audio calibrates audio to speech, music, and movies.[9,12]
- 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 and machine learning to provide exceptional protection.[10]
- Make well-being measurable and actionable at work with HP WorkWell. Designed to coach you to take breaks, exercise, and to provide productivity tips, this app recommends healthy habits personalized to you.[11]
- Enjoy the consistent feel and extremely quiet typing experience of the redesigned keyboard with rubber dome keys.
- The IT replaceable battery, memory, and wireless modules are easy to access via the bottom cover with self-capturing screws.
- The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with optional gigabit-speed Wi-Fi 6.[4,5]

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HP EliteBook 845 G8 Notebook PC Specifications Table

*Product image may differ from actual product

Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business[1] Windows 10 Home 64[1] Windows 10 Home Single Language 64[1] Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement)[1] FreeDOS
Processor family[5]	AMD Ryzen™ processor
Available Processors[3,4,5]	AMD Ryzen™ 3 5400U (up to 4.0 GHz max boost clock, 10 MB L3 cache, 4 cores); AMD Ryzen™ 7 5800U with Radeon™ Graphics (1.9 GHz base clock, up to 4.4 GHz max boost clock, 16 MB L3 cache, 8 cores); AMD Ryzen™ 5 5600U with Radeon™ Graphics (2.3 GHz base clock, up to 4.2 GHz max boost clock, 16 MB L3 cache, 6 cores); AMD Ryzen™ 5 PRO 5650U with Radeon™ Graphics (2.3 GHz base clock, up to 4.2 GHz max boost clock, 16 MB L3 cache, 6 cores); AMD Ryzen™ 7 PRO 5850U with Radeon™ Graphics (1.9 GHz base clock, up to 4.4 GHz max boost clock, 16 MB L3 cache, 8 cores); AMD Ryzen™ 3 PRO 5450U with Radeon™ Graphics (2.6 GHz base clock, up to 4.0 GHz max boost clock, 10 MB L3 cache, 4 cores)
Maximum memory	64 GB DDR4-3200 SDRAM [6] Both slots are customer accessible/upgradeable. Supports dual channel memory.
Memory slots	2 SODIMM
Internal storage	1 TB up to 2 TB PCIe® Gen3x4 NVMe™ M.2 SSD TLC[7] up to 512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC[7] 256 GB up to 512 GB PCIe® NVMe™ Value SSD[7] up to 128 GB M.2 SATA SSD TLC[7]
Display size (diagonal, metric)	35.6 cm (14")
Display	35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, low power, 72% NTSC; 35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, FHD (1920 x 1080), touch, IPS, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, anti-glare, 1000 nits, 72% NTSC, HP Sure View Reflect integrated privacy screen [13,14,15,16]
Available Graphics	Integrated: AMD Radeon™ Graphics (Support HW decode, DX12, HDMI 2.0 and HDCP 2.2)
Audio	Audio by Bang & Olufsen, dual stereo speakers, 3 multi array microphone
Ports and Connectors	2 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging); 1 headphone/microphone combo; 1 HDMI 2.0; 1 AC power (HDMI cable sold separately.) Optional Ports: 1 Smartcard reader (optional); 1 SIM card slot (optional)
Input devices	HP Premium Keyboard – spill resistant, optional backlit keyboard with drain and DuraKeys[12]; Glass clickpad with gesture support as default, Microsoft Precision Touchpad; Hall sensor Ambient light sensor
Communications	HP Module with NXP NFC Controller NPC300 I2C NCI; Realtek PCIe GbE Family Controller 10/100/1000 [11]; Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo; Intel® Wi-Fi 6 AX200 (2x2) and Bluetooth® 5 combo; Qualcomm® WCN6856 Wi-Fi 6E (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate) ; Intel® XMM™ 7360 LTE-Advanced Cat 9 ;
Camera	720p HD camera; IR Camera (select models) [13]
Software	HP Connection Optimizer; HP Hotkey Support; HP Noise Cancellation Software; HP PC Hardware Diagnostics UEFI; HP Support Assistant; Buy Office (Sold separately); HP Power Manager; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP QuickDrop; HP Wireless Button Driver[18,19]
Security management	Absolute persistence module; HP Secure Erase; HP Sure Click; Windows Defender; HP Sure Sense; HP Sure Start Gen6; HP Sure Admin; HP BIOSphere Gen6; HP Sure Run Gen4; HP Sure Recover Gen4; HP Client Security Manager Gen7; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified)[23,24,25,26,27,28,29,30,31,32,33]
Security Software Licenses	HP Wolf Pro Security Edition[56]
Fingerprint reader	Fingerprint sensor (select models)
Management features	HP Driver Packs; HP Client Catalog; HP Manageability Integration Kit Gen4; HP Client Management Script Library (download); HP Image Assistant (download)[21,22]
Power	HP Smart 65 W External AC power adapter; HP Smart 45 W External AC power adapter; HP Smart 45 W 2-prong External AC power adapter; HP Smart 65 W USB Type-C® adapter; HP 65 W USB Type-C® slim adapter[36]
Battery type	HP Long Life 3-cell, 53 Wh Li-ion[34,35]
Dimensions	32.34 x 21.46 x 1.79 cm
Weight	Starting at 1.37 kg (Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® 2019 registered where applicable. EPEAT ® registration varies by country. See www.epeat.net for registration status by country.[38]
Sustainable impact specifications	Low halogen; TCO 8.0 Certified
Warranty	3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

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Accessories and services (not included)

HP Prelude Backpack 15.6		Help keep your notebook safe and your hands free while you're on the move with the durable HP 15.6 Prelude Backpack, now with a pop of color from the stylish blue interior. Product number: 1E7D6AA
HP USB-C Mini Dock		Be productive on the go with streamlined, pocket-sized port expansion that's fashionable and functional. The HP USB-C™ Mini Dock has a modern, textured design and packs pass-through charging[1] and data, video, network, and device connectivity[2] into a compact, portable dock. Product number: 1PM64AA
HP Wireless Rechargeable 950MK Mouse and Keyboard		Experience clutter-free productivity, simple, streamlined connectivity, and fast out-of-the-box HP Link-5 plug and play setup with the elegant HP Wireless Rechargeable 950MK Mouse and Keyboard. Product number: 3M165AA
HP 3 year Next Business Day Onsite Hardware Support for Notebooks		Receive 3 years of next business day onsite HW support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely. Product number: U4414E

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Messaging Footnotes

[1] HP Wolf Security for Business requires Windows 10, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features and OS requirements.
[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. AMD's numbering is not a measurement of clock speed.
[3] 4G LTE module is optional and must be configured at the factory. Module 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.
[4] 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 laptop to communicate with other 802.11ax devices.
[5] 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.
[6] HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
[7] Speaker enclosure component made with 5% ocean bound plastic.
[8] 100% outer box packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.
[9] HP Sound Calibration is coming soon and will be delivered automatically through Windows update or can be downloaded from https://support.hp.com/us-en/drivers when available. Requires Windows 10, analog headset, and setup.
[10] HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.
[11] HP WorkWell requires Windows 10, is not available in all countries, and can be downloaded from the Windows Store.
[12] HP Dynamic Audio is coming soon and will be delivered automatically through Windows update or can be downloaded from https://support.hp.com/us-en/drivers when available. Requires Windows 10, compatible with internal PC speakers and analog headsets.

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.
[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. AMD's numbering is not a measurement of clock speed.
[4] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
[5] 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.
[6] 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.
[7] 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.
[8] 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.
[9] WWAN module is an optional feature, requires factory configuration 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, in all regions.
[10] Wi-Fi® supporting gigabit data rate 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] 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.
[12] Backlit keyboard is an optional feature.
[13] HD/FHD content required to view HD/FHD images.
[14] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
[15] HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
[16] Actual brightness will be lower with touchscreen or Sure View.
[17] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[18] HP Connection Optimizer requires Windows 10.
[19] HP Support Assistant requires Internet access.
[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://www8.hp.com/us/en/ads/clientmanagement/overview.html.
[23] Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/
[24] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
[25] Firmware TPM is version 2.0.
[26] HP Sure Click requires Windows 10. See https://protect-us.mimecast.com/s/9KyJC1wq8qi6X2AxoU1QB2Y?domain=bit.ly for complete details.
[27] HP Sure Sense requires Windows 10 Pro or Enterprise.
[28] HP Sure Start Gen6 is available on select HP PCs.
[29] HP Sure Run Gen4 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
[30] HP Sure Recover Gen4 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. Network based recovery using Wi-Fi is only available on PC's with Intel Wi-Fi Module.
[31] HP Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
[32] HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
[33] HP Fingerprint sensor is an optional feature that must be configured at purchase.
[34] Supports HP Fast Charge with 65W AC Adapter. 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.
[35] Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.
[36] Availability may vary by country.
[37] 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.
[38] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[39] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[40] Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.
[56] HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/ish_3875769-3873014-16 as that EULA is modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month license term ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support.

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