

HP EliteBook 830 G8 Notebook PC



Work with each other even when you're apart

Teams work from many locations requiring a powerful, secure, and durable laptop that connects easily to keep you productive. Meet the demands of the multi-task, multi-place, enterprise-business workday with the HP EliteBook 830.



HP recommends Windows 10 Pro for business

Designed for you

- The HP EliteBook 830 is built for how you work with a new AI-based audio experience. 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.

Work with peace of mind

- Security features from HP work together to create an always-on, always-acting, resilient defense. From the BIOS to the browser, above and below the OS, these constantly evolving solutions help protect your PC from threats.

Pursue success

- Do your best work when and where you like. Stay connected with optional 5G² and 4G LTE wireless³, long battery life, and a powerful quad-core 11th Gen Intel® Core™ 4 vPro®⁵ processor option.
- Get the exceptional combination of responsive performance, connectivity and speed with an optional quad-core 11th Gen Intel® Core™ vPro® processor that lets you launch, create, and connect fast and reliably.^{4,5}
- 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.⁸
- Address issues around sanitization and sustainability. The speaker enclosure contains ocean-bound plastics and the PC can be sanitized with select household disinfecting and cleaning wipes.^{9,10}
- Tune your headphone audio for an immersive sound experience with HP Sound Calibration.¹¹
- HP Dynamic Audio, a new AI-based audio experience, tunes output to speech, music, and movies all while suppressing background noise.¹²
- The HP EliteBook 830 can connect almost anywhere with optional support for up to 5G wireless broadband technology with 4x4 antennas that can deliver fast download and upload speeds.²
- Find your missing laptop even when it's turned off using the optional Tile™ feature and app.¹³
- Select configurations of the HP EliteBook 830 meet standards for the Intel® Evo™ Platform delivering high-performance, responsiveness, long battery life and stunning visuals.¹⁴
- Know if someone has tried to open the cover of your PC thanks to a tamper lock intrusion detection system that can require an administrator password to restart the system.¹⁵

HP EliteBook 830 G8 Notebook PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business ^{1,2} Windows 10 Pro 64 (National Academic only) ^{1,2,3} Windows 10 Home 64 ^{1,2} Windows 10 Home Single Language 64 ^{1,2} Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement) ^{1,2} FreeDOS
Processor family ⁷	11th Generation Intel® Core™ i7 processor; 11th Generation Intel® Core™ i5 processor
Available Processors ^{4,5,6,7}	Intel® Core™ i7-1165G7 with Intel® Iris® Xe Graphics (2.8 GHz base frequency, up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores); Intel® Core™ i5-1135G7 with Intel® Iris® Xe Graphics (2.4 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores)
Display size (diagonal)	13.3" ^{16,17,18}
Maximum memory	64 GB DDR4-3200 SDRAM ⁸ Dual channel support.
Memory slots	2 SODIMM
Internal storage	up to 512 GB Intel® PCIe® NVMe™ QLC M.2 SSD with 32 GB Intel® Optane™ memory H10 ^{9,10,11} 256 GB up to 2 TB PCIe® Gen3x4 NVMe™ M.2 SSD TLC ⁹ 256 GB up to 512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC ⁹ up to 512 GB PCIe® NVMe™ Value M.2 SSD ⁹ up to 128 GB PCIe® Gen3x2 NVMe™ M.2 SSD TLC ⁹
Display	13.3" diagonal, FHD (1920 x 1080), touch, IPS, 250 nits, 45% NTSC; 13.3" diagonal, FHD (1920 x 1080), IPS, 1000 nits, 72% NTSC, HP Sure View Reflect integrated privacy screen; 13.3" diagonal, FHD (1920 x 1080), IPS, 250 nits, 45% NTSC; 13.3" diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, low power, 72% NTSC ^{16,17,18}
Available Graphics	Integrated: Intel® Iris® Xe Graphics
Audio	Audio by Bang & Olufsen, dual stereo speakers, 3 multi array microphone
Wireless technologies	(Compatible with Miracast-certified devices.)
Ports and Connectors	2 Super Speed USB Type-C® 5Gbps signaling rate; 2 Super Speed USB Type-A 5Gbps signaling rate (1 charging); 1 Stereo headphone/microphone combo jack; 1 HDMI 2.0b; 1 AC power
Input devices	HP Premium Keyboard – spill-resistant, backlit keyboard; Touchpad with multi-touch gesture support
Communications	HP Module with NXP NFC Controller NPC300 I2C NCI; Near Field Communication (NFC) module Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® 5 combo, non-vPro®; Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® 5 combo, vPro®;
Camera	720p HD camera; IR Camera (select models) ¹⁶
Security management	Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Secure Erase; Power-on authentication; Preboot authentication; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure Click; HP Sure Sense; Support for chassis padlocks and cable lock devices; HP Sure Start Gen6; HP Sure Run Gen3; HP Sure Recover Gen3; HP Sure Admin; HP Pro Security Edition; HP BIOSphere Gen6 ^{23,24,25,26,27,28,29,30,31,32,33}
Fingerprint reader	Fingerprint sensor (select models)
Management features	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen4 ^{21,22}
Power	HP Smart 65 W External AC power adapter; HP Smart 65 W EM 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 Smart 45 W USB Type-C® adapter ^{34,35}
Battery type	HP Long Life 3-cell, 53 Wh Li-ion ³⁴
Dimensions	30.76 x 20.45 x 1.79 cm
Weight	Starting at 1.35 kg (touch); Starting at 1.24 kg (non-touch) (Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. ³⁶
Sustainable impact specifications	Low halogen; TCO 8.0 Certified ³⁸
Warranty	HP Services offers 1-year and 3-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. 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 Elite Presenter Mouse



Run presentations and guide onscreen content with a virtual laser¹ from the palm of your hand, anywhere in the room, or navigate your PC's applications at your desk, with the sophisticated HP Elite Presenter Mouse. It's an ultra-modern, multi-functional accessory that's a pointer and mouse in one.
Product number: 2CE30AA

HP USB-C Dock G5



Get to work with a single cable from your USB-C™-enabled notebook¹ to your displays, devices, and wired network with the versatile, elegant, and space-saving HP USB-C Dock G5. The dock is compatible with notebooks from brands like HP, Apple®, Dell, Lenovo, and more.²
Product number: 5TW10AA

HP Executive 14.1 Slim Top Load



Take on the world in style with an HP Executive Series notebook case that provides a polished, professional look. The sleek profile and premium materials make a bold statement and keep your devices and data on lockdown. Traveling is a breeze and device-charging is easy—even from outside the bag.
Product number: 6KD04AA

HP Sure Key Cable Lock



Take the guess work out of securing your notebook, display, dock, and accessories with the removable, interchangeable heads of the HP Sure Key Cable Lock.¹
Product number: 6UW42AA

HP Slim Backpack



The HP Slim Ultrabook Backpack—a stylish, durable, and compact messenger bag built for your Ultrabook™.¹ A black twill fabric accented with gray plaid combines form and function to help protect your hardware and give you a polished appearance.
Product number: F3W16AA

HP 45W Smart AC Adapter



Be productive throughout the day and keep an extra adapter on hand with the lightweight and versatile HP 45W Smart AC Adapter.
Product number: H6Y88AA

HP 3-year Travel Next Business Day
Low End Notebook Only Hardware
Support



HP Care Pack

This HP services offers notebook users on the go prompt, reliable coverage in major geographies of the world, for 3 years. For more information on Care Pack services, please visit www.hp.com/go/cp.
Product number: UC909E

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Messaging Footnotes

- ² 5G module has an expected availability of March 2021 and is an optional feature that must be configured at purchase. AT&T and T-Mobile networks supported in the U.S. Module designed for 5G networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100MHz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP, requires activation and separately purchased service contract. 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. 5G not available on all products, in all regions. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select countries, where carrier supported.
- 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 Quad-core Intel® 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.
- ⁵ For full Intel® vPro™ functionality, Windows 10 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd party software in order to run. See <http://intel.com/vpro>.
- ⁶ 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.
- ⁷ 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.
- ⁸ 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.
- ⁹ Speaker enclosure component made with 5% ocean bound plastic.
- ¹⁰ Select household wipes can be safely used to clean HP Elite, Workstation, and the HP ProBook 635 Aero PCs up to 1,000 wipes: See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Sanitize Your HP Device Whitepaper (<http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW>) not applicable to HP Elite C1030 Chromebook.
- ¹¹ Requires Windows 10, analog headset, and setup.
- ¹² Requires Windows 10, compatible with internal PC speakers and analog headsets.
- ¹³ Tile is an optional feature that must be configured at the factory and requires Windows 10. Some features require optional subscription to Tile Premium. Tile application for Windows 10 available for download from the Windows Store. Mobile phone app available for download from App Store and Google Play. Requires iOS 11 and greater or Android 6.0 and greater see <https://support.thetileapp.com/hc/en-us/articles/200424778> for more information. HP Tile will function as long as the PC has battery power.
- ¹⁴ Select SKUs qualify as an Intel® Evo™ platform.
- ¹⁵ HP Tamper Lock must be enabled by the customer or your administrator.

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 HP tested Windows 10, version 1809 on this platform. For testing information on newer versions of Windows 10, please see <https://support.hp.com/document/c05195282>.
- ³ 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.
- ⁴ 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.
- ⁵ Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- ⁶ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
- ⁷ 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>.
- ⁸ 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.
- ⁹ 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.
- ¹⁰ Intel® Optane™ memory is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, ZBook Studio, 15 and 17 G5) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type 2280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in a x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.
- ¹¹ 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.
- ¹² 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.
- ¹³ 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.
- ¹⁴ Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- ¹⁵ HD content required to view HD images.
- ¹⁶ Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- ¹⁷ 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.
- ¹⁸ HP Connection Optimizer requires Windows 10.
- ¹⁹ HP Support Assistant requires Windows and Internet access.
- ²⁰ HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- ²¹ HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.
- ²² 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/>
- ²³ 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™.
- ²⁴ Firmware TPM is version 2.0.
- ²⁵ HP Sure Click requires Windows 10. See https://bit.ly/2PrLT6A_SureClick for complete details.
- ²⁶ HP Sure Sense requires Windows 10.
- ²⁷ HP Sure Start Gen6 is available on select HP PCs.
- ²⁸ HP Sure Run Gen3 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
- ²⁹ HP Sure Recover Gen3 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.
- ³⁰ 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.
- ³¹ HP Pro Security Edition is available preloaded on AVs of select HP PCs and includes HP Sure Click Pro and HP Sure Sense Pro. 3-year license required. The HP Pro Security Edition software is licensed under the license terms of the HP End User License Agreement (EULA) that can be found at: https://h30670.www3.hp.com/e-commerce/common/disclaimer.do#EN_US as modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for thirty-six (36) months thereafter ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP 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." HP Pro Security Edition is optimized for the SMB environment and ships pre-configured - manageability is optional. The HP Pro Security Edition supports a limited tool set that can be used by the HP Manageability Integration Kit which can be downloaded from <http://www.hp.com/go/clientmanagement>.
- 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 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/pc. 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 Tile is an optional feature that must be configured at the factory and requires Windows 10. Some features require optional subscription to Tile Premium. Tile application for Windows 10 available for download from the Windows Store. Mobile phone app available for download from App Store and Google Play. Requires iOS 11 and greater or Android 6.0 and greater see <https://support.thetileapp.com/hc/en-us/articles/200424778> for more information. HP Tile will function as long as the PC has battery power.

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