Data sheet

HP EliteBook x360 830 G8 Notebook PC

Remote working requires flexibility from your laptop

Teams work from many locations requiring a flexible, 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 x360 830.



*Product image may differ from actual product

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Designed for you

- Quickly switch from taking notes to presenting to a group. The HP EliteBook x360 830, with a screen-to-body-ratio of 82 percent, provides a new AI-based audio experience and the flexibility you need for your dynamic workday.

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]

Pursue success

- Do your best work when and where you like. Stay connected with optional 5G[2] and 4G LTE wireless[3], long battery life, and a powerful 11th Gen Intel® Core™ [4] 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]
- 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.[7]
- 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.[8,9]
- Save time by automating driver, BIOS, and HP software updates with HP Patch Assistant. This new tool—available in the HP Manageability Integration Kit—helps simplify the monitoring of HP device health and security across your fleet.[10]
- Your "office" can be where you need it, letting you connect almost anywhere with the HP EliteBook x360 830 with optional support for up to 5G wireless broadband technology with 4x4 antennas that can deliver fast download and upload speed.[2]
- Never lose sight of your work with an optional anti-glare touchscreen.[11]
- Write and draw precisely with the optional HP Rechargeable Active Pen G3 that notifies you when you leave it behind with a pen proximity alert.[12]
- Not sure where you last saw your laptop? With the optional Tile™ solution, you can use an intuitive app to help you find your device near or far even when your PC is turned off.[13]

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HP EliteBook x360 830 G8 Notebook PC Specifications Table





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Available Operating Systems	Windows 11 Pro[1] Windows 11 Home – HP recommends Windows 11 Pro for business[1] Windows 11 Home Single Language[1] Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement)[1] Windows 10 Pro[1] Windows 10 Home[1] Windows 10 Home Single Language[1] FreeDOS (Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).)
Processor family[7]	11th Generation Intel® Core™ i7 processor; 11th Generation Intel® Core™ i5 processor
Available Processors[4,5,6,7]	Intel® Core™ i5-1135G7 (up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i7-1165G7 (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores)
Maximum memory	32 GB DDR4-3200 SDRAM Memory soldered down. Supports dual channel memory.
Memory slots	1 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] up to 512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC[9] 256 GB up to 512 GB PCIe® NVMe™ Value M.2 SSD[9] 128 GB up to 256 GB M.2 SATA SSD TLC[9]
Display size (diagonal, metric)	33.8 cm (13.3")
Display	33.8 cm (13.3") diagonal, FHD (1920 x 1080), touch, IPS, BrightView, Corning® Gorilla® Glass 5, 400 nits, low power, 72% NTSC; 33.8 cm (13.3") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, Corning® Gorilla® Glass 5, 400 nits, low power, 72% NTSC; 33.8 cm (13.3") diagonal, FHD (1920 x 1080), touch, IPS, BrightView, Corning® Gorilla® Glass 5, 1000 nits, 72% NTSC, HP Sure View Reflect integrated privacy screen; 33.8 cm (13.3") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, Corning® Gorilla® Glass 5, 1000 nits, 72% NTSC, HP Sure View Reflect integrated privacy screen; 33.8 cm (13.3") diagonal, FHD (1920 x 1080), touch, IPS, BrightView, Corning® Gorilla® Glass 5, 250 nits, 45% NTSC [16,17,18]
Available Graphics	Integrated: Intel® Iris® Xᵉ Graphics[39] (Support HD decode, DX12, HDMI 2.0b, HDCP 2.3.)
Audio	Audio by Bang & Olufsen, dual stereo speakers, 3 multi array microphone
Wireless technologies	(Compatible with Miracast-certified devices.)
Ports and Connectors	2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate; 2 Super Speed USB Type-A 5Gbps signaling rate (1 charging); 1 headphone/microphone combo; 1 HDMI 2.0; 1 AC power[38] ; (HDMI cable sold separately.); Optional Ports: 1 Smartcard reader (optional)
Input devices	HP Premium Keyboard – spill resistant, optional backlit keyboard with drain and DuraKeys[15]; Glass clickpad with gesture support as default, Microsoft Precision Touchpad;
Communications	HP Module with NXP NFC Controller NPC300 I2C NCI (select models) ; Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® 5 combo, non-vPro®; Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® 5 combo, vPro® [12,13,14]; Intel® XMM™ 7360 LTE-Advanced Cat 9; Qualcomm® Snapdragon™ X55 5G LTE Cat 20 ;
Camera	720p HD camera; IR Camera (select models) [16]
Software	HP Connection Optimizer; HP Image Assistant; HP Hotkey Support; HP Noise Cancellation Software; HP Support Assistant; Buy Office (Sold separately); HP Power Manager; myHP; HP Privacy Settings; HSA Fusion for Commercial; HSA Telemetry for Commercial; Touchpoint Customizer for Commercial; HP Notifications; HP QuickDrop; Tile App; HP Wireless Button Driver; [19,20,21,24]
Available software	HP Smart Support[57]
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; Windows Defender; HP Sure Sense; BIOS Update via Network; Support for chassis padlocks and cable lock devices; HP Sure Start Gen6; HP BIOSphere Gen6; HP Client Security Manager Gen7;[25,26,27,28,29,30,31,33]
Security Software Licenses	HP Wolf Pro Security Edition[56]
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; HP Client Management Script Library (download)[22,23]
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[34]
Battery type	HP Long Life 3-cell, 53 Wh Li-ion[8]
Battery life	Up to 13 hours and 15 minutes[42]
Dimensions	30.75 x 20.5 x 1.79 cm
Weight	Starting at 1.35 kg (Weight will vary by configuration.)
Ecolabels	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	Ocean-bound plastic in speaker enclosure; 35% post-consumer recycled plastic; Low Halogen; Bulk packaging available; Outside box and corrugated cushions are 100% sustainably sourced and recyclable[32,37,40,41]
Warranty	3 year (3-3-0) limited warranty and service offering includes 3 years of parts and labor. Terms and conditions vary by country. Certain restrictions and exclusions apply.

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Accessories and services (not included)

HP 5 year Next Business Day Onsite Hardware Support for Notebooks



Receive 5 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: U7861E

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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] 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] 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] 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.
[6] 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.
[7] 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.
[8] Speaker enclosure component made with 5% ocean bound plastic.
[9] Select household wipes can be safely used to clean HP Elite and Workstation, and 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 (https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW) not applicable to HP Elite c1030 Chromebook.
[10] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html.
[11] Optional feature must be configured at purchase.
[12] Sold separately or as an optional feature.
[13] Tile requires Windows 10. Some features require optional subscription to Tile Premium. Ring feature not available on HP Elite G8 Laptops. 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.

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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .
[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] 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.
[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. 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.
[13] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[14] 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.
[15] Backlit keyboard is an optional feature.
[16] HD content required to view HD images.
[17] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
[18] HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and functions in landscape orientation.
[19] HP Connection Optimizer requires Windows 10.
[20] HP Support Assistant requires Windows and Internet access.
[21] Tile is an optional feature that must be configured at the factory and requires Windows 10. Some features require optional subscription to Tile Premium. Not available on models with WWAN M.2 module. 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.
[22] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
[23] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html.
[24] Tile is an optional feature that must be configured at the factory and requires Windows 10. Some features require optional subscription to Tile Premium. Not available on models with WWAN M.2 module. 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.
[25] 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/
[26] 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™.
[27] Firmware TPM is version 2.0.
[28] HP Sure Click requires Windows 10. See https://bit.ly/2PrLT6A_SureClick for complete details.
[29] Windows Defender Opt in and internet connection required for updates.
[30] HP Sure Sense requires Windows 10 Pro or Enterprise.
[31] HP Sure Start Gen6 is available on select HP PCs.
[32] Percentage of ocean-bound plastic contained in each component varies by product.
[33] 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.
[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] SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.
[39] Intel® Iris® Xᵉ Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® Xᵉ Graphics with Intel® Core™ i5 or 7 processors and single channel memory will only function as UHD graphics.
[40] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[41] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[42] Windows 10 MM18battery 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.
[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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