Datasheet

HP EliteBook x360 830 G5 Notebook PC

360° of inspiration

Get more done with the freedom of x360 versatility. The ultraslim HP EliteBook x360 830 adapts to all the ways you create, connect, and collaborate—and is highly secure and easily managed for the enterprise.

HP recommends Windows 10 Pro.

Four brilliant use modes

- Bring flexibility to work—create, engage, share, and multitask with the HP EliteBook x360 830 and the optional HP Rechargeable Active Pen.[2] Powerful performance is packed into the distinctive, all-aluminum, easily serviceable design.

Built on a secure foundation

- Protect your PC against the evolving malware threats of the future, with self-healing, hardware-enforced, and manageable security solutions from HP. Keep prying eyes from viewing your screen in open workspaces with HP Sure View Gen3.[4]

Speak up, listen in

- Effortlessly work with your team while on the go. Crisp audio and advanced collaboration features like HP Noise Cancellation, collaboration keys, a world-facing third microphone, and loud top-firing speakers help you stay in touch.

- Power through your day with Windows 10 Pro and the powerful security, collaboration and connectivity features from HP.
- Instantly protect against visual hacking with the optional HP Sure View Gen3 integrated privacy screen. At the touch of a button your screen appears unreadable to those around you while you see your content clearly.
- Protect the firmware that antivirus can't reach! The hardware-enforced self-healing protection offered by HP Sure Start Gen4 automatically recovers the BIOS from malware, rootkits, or corruption.
- Keep your critical processes running, even if malware tries to shut them down. HP Sure Run extends hardware enforced self-healing protection into the operating system to guard against malicious attacks on applications and processes.
- Help protect your PC from websites, attachments, malware, ransomware, and viruses with hardware-enforced security from HP Sure Click.
- Express yourself in almost any light utilizing the optional outdoor viewable display of the HP EliteBook x360 830.
- 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.
- Fortify your security with up to three authentication factors including fingerprints and facial recognition.

HP recommends Windows 10 Pro.

HP EliteBook x360 830 G5 Notebook PC Specifications Table

Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro.[1] Windows 10 Pro 64 (National Academic only)[2] Windows 10 Home 64[1] Windows 10 Home Single Language 64[1] FreeDOS 3.0
Processor family[6]	8th Generation Intel® Core™ i7 processor (i7-8650U); 8th Generation Intel® Core™ i7 processor (i7-8550U); 8th Generation Intel® Core™ i5 processor (i5-8350U); 8th Generation Intel® Core™ i5 processor (i5-8250U); 8th Generation Intel® Core™ i3 processor (i3-8130U)
Available Processors[3,4,5,6]	Intel® Core™ i7-8650U vPro™ processor with Intel® UHD graphics 620 (1.9 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i7-8550U with Intel® UHD graphics 620 (1.8 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i5-8350U vPro™ processor with Intel® UHD Graphics 620 (1.7 GHz base frequency, up to 3.6 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores); Intel® Core™ i5-8250U with Intel® UHD Graphics 620 (1.6 GHz base frequency, up to 3.4 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores); Intel® Core™ i3-8130U with Intel® UHD graphics 620 (2.2 GHz base frequency, up to 3.4 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores)
Display size (diagonal)	13.3"[9,14,38,39]
Maximum memory	32 GB DDR4-2400 SDRAM [7] Both slots are customer accessible/upgradeable. Supports dual channel memory.
Memory slots	2 SODIMM
Internal storage	256 GB up to 2 TB PCIe® NVMe™ M.2 SSD [8] up to 512 GB M.2 SATA FIPS 140-2 SSD [8] up to 512 GB PCIe® NVMe™ M.2 SED SSD [8] up to 256 GB M.2 SATA SED SSD [8] up to 128 GB M.2 SATA SSD [8]
Display	HP Sure View Integrated Privacy Screen 13.3" diagonal FHD IPS anti-glare LED-backlit touch screen with Corning® Gorilla® Glass 5, 1000 cd/m², 100% sRGB (1920 x 1080); HP Sure View Integrated Privacy Screen 13.3" diagonal FHD IPS BrightView LED-backlit touch screen with Corning® Gorilla® Glass 5, 1000 cd/m², 100% sRGB (1920 x 1080); 13.3" diagonal FHD IPS LED-backlit touch screen with Corning® Gorilla® Glass 5, 400 cd/m², 100% sRGB (1920 x 1080); 13.3" diagonal FHD IPS LED-backlit touch screen with Corning® Gorilla® Glass 5, 220 cd/m², 67% sRGB (1920 x 1080) [9,14,38,39]
Available Graphics	Integrated: Intel® UHD Graphics 620[14] (Support HD Decode, DX12, HDMI 1.4b and HDCP 2.2.)
Audio	Bang & Olufsen, dual stereo speakers, 3 multi array microphone
Wireless technologies	Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) WLAN and Bluetooth® 4.2 Combo, non-vPro™; Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) WLAN and Bluetooth® 4.2 Combo, vPro™; Intel® XMM™ 7262 LTE-Advanced Cat 6; Intel® XMM™ 7360 LTE-Advanced Cat 9; Intel® XMM™ 7560 LTE-Advanced [9,10,11,12] (Compatible with Miracast-certified devices.)
Ports and Connectors	2 USB 3.1 Type-C™ with Thunderbolt™ support; 2 USB 3.1 Gen 1 (1 charging); 1 Smartcard reader (optional); 1 HDMI 1.4b; 1 headphone/microphone combo; 1 External Nano SIM slot for WWAN; 1 AC power (Cables are not included.)
Input devices	HP Premium Collaboration Keyboard, backlit and spill-resistant with drain; Clickpad with multi-touch gesture support, taps enabled as default; Ambient light sensor[9]
Communications	HP Module with NXP NFC Controller NPC300 I2C NCI [9];
Camera	HD camera; HD IR webcam [14,15]
Available Software	HP Connection Optimizer; HP Hotkey Support; HP Image Assistant; HP JumpStart; HP LAN Protection; HP Noise Cancellation Software; HP Support Assistant; Native Miracast support; HP PhoneWise; Buy Office (Sold separately); HP Power Manager [13,16,17]
Security management	Absolute persistence module; Credential manager; HP BIOSphere Gen4; HP Device Access Manager; HP DriveLock and Automatic DriveLock; HP Fingerprint Sensor; HP Password Manager; HP Secure Erase; HP SpareKey; Power-on authentication; Preboot authentication; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure Click; HP Wireless Wakeup; HP Client Security Gen4; HP Sure Recover; HP Sure Run; HP Sure Start Gen4; Windows Defender[21,22,23,24,25,26,27,28,30,31,32,33]
Management features	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen2; Ivanti Management Suite[18,19,20,21]
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 USB Type-C™ adapter; HP Smart 65 W USB Type-C™ adapter[34]
Battery type	HP Long Life 4-cell, 53 Wh Li-ion
Dimensions	30.66 x 21.52 x 1.69 cm
Weight	Starting at 1.35 kg (Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® 2.0 Silver[36]
Environmental specifications	Low halogen[37]
Warranty	HP Services offers 3-year and 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 65W USB-C Power Adapter

Power and charge your notebook or tablet[1] from its USB-C™ port with the HP 65W USB-C™ Power Adapter.
Product number: 1HE08AA

HP Elite Presenter Mouse

Run presentations and guide onscreen content with a virtual laser[1] 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 Thunderbolt Dock 120W G2

Reinvent docking and boost productivity with our most versatile Thunderbolt™ dock, the small, sophisticated HP Thunderbolt Dock G2. Designed for workspace flexibility and network manageability[1], it delivers USB-C™[2] device connectivity and optional integrated audio.[3]
Product number: 2UK37AA

HP Elite Notebook Portfolio

Keep it all together and never drop your accessories again with the HP Elite Notebook Portfolio that zips closed between meetings. It protects your notebook and organizes your essential accessories so you're polished and professional, even on the move.
Product number: 4SZ25AA

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

Provides Next Business Day Onsite service for Notebook user in major geographies of the world for 3 years. For more information on Care Pack services, please visit www.hp.com/go/cpc
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] HP Rechargeable Active Pen sold separately or as an optional feature.
[3] Based on HP's unique and comprehensive security capabilities at no additional cost and HP's Manageability Integration Kit's management of every aspect of a PC including hardware, BIOS and software management using Microsoft System Center Configuration Manager among vendors with 1M annual unit sales on HP Elite PCs with 7th Gen and higher Intel® Processors, Intel® integrated graphics, and Intel® WLAN.
[4] HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
[5] HP Sure Start Gen4 is available on HP EliteBook products equipped with Intel® 8th generation processors.
[6] HP Sure Run is available on HP Elite PCs equipped with Intel® or AMD 8th generation processors.
[7] HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer 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.
[8] Ultra-bright display is an optional feature that must be installed at the factory.
[9] HP Privacy Camera only available on non-touch screens equipped with HD or IR camera and must be installed at the factory.
[10] Sold separately as an optional feature.
[11] HP Multi Factor Authenticate requires 7th or 8th Generation Intel® Core™ processor, Intel® integrated graphics, and Intel® WLAN. Three authentication factors requires an Intel® vPro™ processor.

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] Sold separately or as an optional feature.
[10] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
[11] 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.
[12] Gigabit class 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.
[13] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[14] HD content required to view HD images.
[15] Supports WDR (Wide Dynamic Range).
[16] HP Support Assistant requires Windows and Internet access.
[17] HP PhoneWise Client is only available on select platforms. For supported platforms and HP PhoneWise system requirements see www.hp.com/go/HPPhoneWise.
[18] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
[19] HP Client Security Suite Gen 4 requires Windows and Intel® or AMD 8th generation processors.
[20] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.
[21] Ivanti Management Suite subscription required.
[22] 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.
[23] HP BIOSphere Gen4 requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.
[24] HP Fingerprint Sensor sold separately or as an optional feature.
[25] HP Password Manager requires Internet Explorer or Chrome or FireFox. Some websites and applications may not be supported. User may need to enable or allow the add-on / extension in the internet browser.
[26] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.
[27] 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). 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).
[28] HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer 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.
[30] HP Sure Recover is available on HP Elite PCs with 8th generation Intel® or AMD processors and requires an open, wired network connection. Not available on platforms with multiple internal storage drives, Intel® Optane™. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
[31] HP Sure Run is available on HP Elite products equipped with 8th generation Intel® or AMD® processors.
[32] HP Sure Start Gen4 is available on HP EliteBook products equipped with Intel® 8th generation processors
[33] Windows Defender Opt in and internet connection required for updates.
[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] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options.
[37] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[38] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
[39] HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and functions in landscape orientation.

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4AA7-3882EEAP, February 2019