



# HP EliteBook 850 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 850.



HP recommends Windows 10 Pro for business

## Designed for you

- The HP EliteBook 850 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 5G<sup>2</sup> and 4G LTE wireless<sup>3</sup>, long battery life, and a powerful quad-core 11th Gen Intel® Core™<sup>4</sup> vPro®<sup>5</sup> 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.<sup>4,5</sup>
- 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.<sup>8</sup>
- 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.<sup>9,10</sup>
- Tune your headphone audio for an immersive sound experience with HP Sound Calibration.<sup>11</sup>
- HP Dynamic Audio, a new AI-based audio experience, tunes output to speech, music, and movies all while suppressing background noise.<sup>12</sup>
- The HP EliteBook 850 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.<sup>2</sup>
- Find your missing laptop even when it's turned off using the optional Tile™ feature and app.<sup>13</sup>
- Select configurations of the HP EliteBook 850 meet standards for the Intel® Evo™ Platform delivering high-performance, responsiveness, long battery life and stunning visuals.<sup>14</sup>
- 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.<sup>15</sup>

## HP EliteBook 850 G8 Notebook PC Specifications Table



<b>Available Operating Systems</b>	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business <sup>1,2</sup> Windows 10 Home 64 <sup>1,2</sup> Windows 10 Home Single Language 64 <sup>1,2</sup> Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement) <sup>1,2</sup> FreeDOS
<b>Processor family<sup>7</sup></b>	11th Generation Intel® Core™ i7 processor; 11th Generation Intel® Core™ i5 processor
<b>Available Processors<sup>4,5,6,7</sup></b>	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)
<b>Maximum memory</b>	64 GB DDR4-3200 SDRAM <sup>8</sup> Dual channel support.
<b>Memory slots</b>	2 SODIMM
<b>Internal storage</b>	up to 512 GB Intel® PCIe® NVMe™ QLC M.2 SSD with 32 GB Intel® Optane™ memory H10 <sup>9,10,11</sup> 256 GB up to 2 TB PCIe® Gen3x4 NVMe™ M.2 SSD TLC <sup>9</sup> 256 GB up to 512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC <sup>9</sup> up to 512 GB PCIe® NVMe™ Value M.2 SSD <sup>9</sup> up to 128 GB PCIe® Gen3x2 NVMe™ M.2 SSD TLC <sup>9</sup>
<b>Display</b>	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, 1000 nits, 72% NTSC, HP Sure View Reflect integrated privacy screen; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, low power, 72% NTSC; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 45% NTSC; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 250 nits, 45% NTSC <sup>16,17,18</sup>
<b>Available Graphics</b>	Integrated: Intel® Iris® Xe Graphics <sup>15</sup>
<b>Audio</b>	Audio by Bang & Olufsen, dual stereo speakers, 3 multi array microphone
<b>Wireless technologies</b>	(Compatible with Miracast-certified devices.)
<b>Ports and Connectors</b>	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
<b>Input devices</b>	HP Premium Keyboard – spill-resistant, backlit keyboard; Touchpad with multi-touch gesture support;
<b>Communications</b>	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®; Intel® XMM™ 7360 LTE-Advanced Cat 9; Qualcomm® Snapdragon™ X55 5G LTE Cat 20;
<b>Camera</b>	720p HD camera; IR Camera (select models) <sup>16</sup>
<b>Software</b>	HP Connection Optimizer; HP Image Assistant; HP Hotkey Support; HP Noise Cancellation Software; HP PC Hardware Diagnostics UEFI; HP Support Assistant; Buy Office (Sold separately); HP Power Manager; HP WorkWell; 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 <sup>19,20,39</sup>
<b>Security management</b>	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 <sup>23,24,25,26,27,28,29,30,31,32,33</sup>
<b>Fingerprint reader</b>	Fingerprint sensor (select models)
<b>Management features</b>	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen4 <sup>21,22</sup>
<b>Power</b>	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 <sup>34,35</sup>
<b>Battery type</b>	HP Long Life 3-cell, 53 Wh Li-ion <sup>34</sup>
<b>Dimensions</b>	35.6 x 23.37 x 1.92 cm
<b>Weight</b>	Starting at 1.77 kg (touch); Starting at 1.68 kg (non-touch) (Weight will vary by configuration.)
<b>Energy efficiency compliance</b>	ENERGY STAR® certified; EPEAT® registered where applicable. EPEAT registration varies by country. See <a href="http://www.epeat.net">www.epeat.net</a> for registration status by country. <sup>37</sup>
<b>Sustainable impact specifications</b>	Low halogen; TCO 8.0 Certified <sup>38</sup>
<b>Warranty</b>	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.
<b>Display size (diagonal, metric)</b>	39.6 cm (15.6")

## HP EliteBook 850 G8 Notebook PC

### Accessories and services (not included)

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#### HP USB-C Dock G5



Get to work with a single cable from your USB-C™-enabled notebook<sup>1</sup> 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.<sup>2</sup> HP's best-in-class, packed with features, functionality and premiere design for the most discerning business professional  
**Product number: 5TW10AA**

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#### HP E24d G4 FHD Advanced Docking Monitor



Inspire joy on your desk with the clean connectivity of the HP E24d G4 FHD Advanced Docking Monitor. Add your everyday accessories at the display, then add your PC with just one USB-C™<sup>1</sup> cable. Empower IT to remotely manage HP devices from anywhere on the network through RJ-45.<sup>2,3</sup> HP's best-in-class, packed with features, functionality and premiere design for the most discerning business professional  
**Product number: 6PA50AA**

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#### HP 4 year Next Business Day Onsite Hardware Support for Notebooks



Receive 4 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: U7860E**

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## HP EliteBook 850 G8 Notebook PC

### Messaging Footnotes

- <sup>2</sup> 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.
- <sup>3</sup> 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.
- <sup>4</sup> 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.
- <sup>5</sup> 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>.
- <sup>6</sup> 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.
- <sup>7</sup> 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.
- <sup>8</sup> 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.
- <sup>9</sup> Speaker enclosure component made with 5% ocean bound plastic.
- <sup>10</sup> 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.
- <sup>11</sup> Requires Windows 10, analog headset, and setup.
- <sup>12</sup> Requires Windows 10, compatible with internal PC speakers and analog headsets.
- <sup>13</sup> 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.
- <sup>14</sup> Select SKUs qualify as an Intel® Evo™ platform.
- <sup>15</sup> HP Tamper Lock must be enabled by the customer or your administrator.

### Technical Specifications Footnotes

- <sup>1</sup> 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/>.
- <sup>2</sup> 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>.
- <sup>4</sup> 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.
- <sup>5</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- <sup>6</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See [www.intel.com/technology/turboboost](http://www.intel.com/technology/turboboost) for more information.
- <sup>7</sup> 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>.
- <sup>8</sup> 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.
- <sup>9</sup> 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.
- <sup>10</sup> 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.
- <sup>11</sup> 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.
- <sup>12</sup> 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.
- <sup>13</sup> 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.
- <sup>14</sup> Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- <sup>15</sup> 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 i7 processors and single channel memory will only function as UHD graphics.
- <sup>16</sup> HD content required to view HD images.
- <sup>17</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- <sup>18</sup> 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.
- <sup>19</sup> HP Connection Optimizer requires Windows 10.
- <sup>20</sup> HP Support Assistant requires Windows and Internet access.
- <sup>21</sup> HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- <sup>22</sup> HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.
- <sup>23</sup> 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/>
- <sup>24</sup> 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™.
- <sup>25</sup> Firmware TPM is version 2.0.
- <sup>26</sup> HP Sure Click requires Windows 10. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
- <sup>27</sup> HP Sure Sense requires Windows 10.
- <sup>28</sup> HP Sure Start Gen6 is available on select HP PCs.
- <sup>29</sup> HP Sure Run Gen3 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
- <sup>30</sup> 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.
- <sup>31</sup> 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.
- <sup>32</sup> 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://h20670.www3.hp.com/e-commerce/common/disclaimer.do#EN\\_US](https://h20670.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>.
- <sup>33</sup> 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.
- <sup>34</sup> 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.
- <sup>35</sup> Availability may vary by country.
- <sup>36</sup> 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/kpc](http://www.hp.com/go/kpc). 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.
- <sup>37</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>38</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- <sup>39</sup> 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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