



# HP EliteBook 645 14 inch G9 Notebook PC

Get back to business

The HP EliteBook 645 easily fits your enterprise fleet as a cost-effective, powerful, and highly secure PC that provides end-users the features needed to navigate hybrid work scenarios.



\*Product image may differ from actual product

HP recommends Windows 11 Pro for business

#### Make connections that matter

- Take collaboration to the professional level with optional 4G<sup>3</sup> connectivity and audio/video enhancers powered by HP Presence<sup>4</sup> on the HP EliteBook 645. Enjoy the crystal-clear audio performance delivered by HP Dynamic Audio<sup>5</sup> and AI-based noise reduction 2.0.<sup>6</sup>

#### 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.<sup>7</sup>

#### Fast and responsive performance

- The globally available HP EliteBook 645 is equipped with the latest AMD processor<sup>2</sup> and has connected Modern Standby to get you back to work in seconds. Wirelessly transfer documents, photos and more from your phone with HP QuickDrop.<sup>8</sup>
- Optimized for video calls in low-lighting conditions. The HD camera provides visual clarity, while temporal noise reduction lowers the effects of visual noise and pixelation, allowing increased definition so you can capture all the details.<sup>6</sup>
- AI-based noise reduction 2.0 improves collaboration by applying industry-leading noise-filtering technology to all audio input, giving you an enhanced audio and video conferencing experience even while wearing a mask.<sup>6</sup>
- Backlight WDR includes quality dual image sensors, working together to balance the background and foreground lighting and contrast. Make sure you can clearly be seen without blurring out the background.<sup>6</sup>
- Upscale your resolution and bring new dimension to your images. With Super Resolution, you can automatically upscale your camera resolution from HD (720p) to FHD (1080p) in a snap.<sup>6,11</sup>
- If your travel schedule is going to keep you on the road, then consider configuring your PC with an optional larger battery that can keep you productive.<sup>9</sup>
- Take more of your files with you on the road with an optional second SSD drive.<sup>9</sup>
- Work with a powerful, highly secure, and reliable AMD processor that helps defend against cold boot attacks with real-time encryption and decryption of your system's memory.<sup>2</sup>
- Your "office" can be where you need it, letting you stay connected almost everywhere with support for optional gigabit class CAT 9 4G LTE wireless broadband technology.<sup>3</sup>
- Know if someone has tried to open the cover of your PC thanks to a tamper lock intrusion detection system.<sup>10</sup>

## HP EliteBook 645 14 inch G9 Notebook PC Specifications Table



\*Product image may differ from actual product

Available Operating Systems	Windows 11 Pro <sup>1</sup> Windows 11 Pro Education <sup>1</sup> Windows 11 Home – HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Home Single Language <sup>1</sup> Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing Agreement) <sup>1</sup> Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade) <sup>1,2</sup> FreeDOS
Processor family <sup>3</sup>	AMD Ryzen™ processor
Available Processors <sup>3,4,5,6</sup>	AMD Ryzen™ 7 PRO 5875U with AMD Radeon™ Graphics (2.0 GHz base clock, up to 4.5 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads); AMD Ryzen™ 7 5825U with AMD Radeon™ Graphics (2.0 GHz base clock, up to 4.5 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads); AMD Ryzen™ 5 PRO 5675U with AMD Radeon™ Graphics (2.3 GHz base clock, up to 4.3 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads); AMD Ryzen™ 5 5625U with AMD Radeon™ Graphics (2.3 GHz base clock, up to 4.3 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads); AMD Ryzen™ 3 5425U with AMD Radeon™ Graphics (2.7 GHz base clock, up to 4.1 GHz max boost clock, 8 MB L3 cache, 4 cores, 8 threads)
Maximum memory	64 GB DDR4-3200 MHz RAM <sup>7</sup> Both slots are customer accessible/upgradeable. Supports dual channel memory.
Memory slots	2 SODIMM
Internal storage	256 GB up to 1 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC <sup>8,9</sup> 256 GB up to 512 GB PCIe® Gen4x4 NVMe™ M.2 SED SSD TLC <sup>8,9</sup> 256 GB up to 512 GB PCIe® NVMe™ M.2 SSD <sup>8</sup> 128 GB up to 256 GB PCIe® NVMe™ Value M.2 SSD <sup>8,44</sup>
Display size (diagonal, metric)	35.6 cm (14")
Display	14" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC; 14" diagonal, FHD (1920 x 1080), touch, narrow bezel, anti-glare, 250 nits, 45% NTSC; 14" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 1000 nits, 100% sRGB, HP SureView integrated privacy screen; 14" diagonal, HD (1366 x 768), SVA, anti-glare, 250 nits, 45% NTSC; 14" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB <sup>15,16,17,18</sup>
Available Graphics	35.6 cm (14") diagonal, FHD (1920 x 1080), touch, narrow bezel, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 1000 nits, 100% sRGB, HP SureView integrated privacy screen; 35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, HD (1366 x 768), SVA, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB <sup>15,16,17,18</sup>
Audio	Integrated: AMD Radeon™ Graphics <sup>15</sup> (Support HD decode, DX12, HDMI 2.1b.)
Ports and Connectors	Dual stereo speakers, dual array microphones
Input devices	1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 headphone/microphone combo; 1 AC power; 1 RJ-45; 3 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging); 1 HDMI 2.1 <sup>14</sup> ; (HDMI cables sold separately.); Optional Ports: 1 Smartcard reader (optional); 1 External Nano SIM slot for WWAN <sup>45</sup>
Communications	HP Premium Keyboard – spill-resistant with optional backlit keyboard <sup>13</sup> ; Clickpad with multi-touch gesture support;
Camera	Realtek RTL8111 HSH GbE; Realtek RTL8111 FPH GbE <sup>38</sup> ; Realtek Wi-Fi 6E RTL8852BE 802.11 a/b/g/n/ax (1x1) and Bluetooth® 5.3 wireless card; Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2) and Bluetooth® 5.3 wireless card <sup>10,11,12</sup> ; Intel® XMM™ 7560 LTE Advanced Pro Cat 16; NFC Miracast WNC XRAV-1
Software	720p HD camera with temporal noisereduction (select models); IR camera <sup>15</sup>
Available software	HP Connection Optimizer; HP Hotkey Support; HP MAC Address Manager; HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP Power Manager; myHP; HP Privacy Settings; HSA Fusion for Commercial; HSA Telemetry for Commercial; Touchpoint Customizer for Commercial; HP Notifications; HP QuickDrop; HP Quick Touch; Buy Office (Sold separately) <sup>19,20</sup>
Security management	HP Smart Support <sup>57</sup>
Security Software Licenses	Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Secure Erase; HP SureClick; HP SureSense; BIOS Update via Network; HP SureAdmin; HP BIOSphere Gen6; HP Client Security Manager Gen7; Secured-core PC capable; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); HP SureStart Gen7; HP Wake on WLAN; HP Tamper Lock; HP SureRun Gen5; HP SureRecover Gen5, <sup>23,24,25,26,27,28,29,30,31,32,39,40</sup>
Fingerprint reader	HP WolfPro Security Edition <sup>56</sup>
Management features	Fingerprint sensor (select models)
Power	HP Client Management Script Library (download); HP Driver Packs (download); HP Client Catalog (download); HP Manageability Integration Kit Gen4 (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager <sup>21,22,41,42,43</sup>
Battery type	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</sup>
Dimensions	HP Long Life 3-cell, 42.75 Wh polymer; HP Long Life 3-cell, 51.3 Wh polymer <sup>33</sup>
Weight	12.67 x 8.42 x 0.78 in; 32.19 x 21.39 x 1.99 cm
Ecolabels	Starting at 3.03 lb; Starting at 1.37 kg; (Weight will vary by configuration. Does not include power adapter.)
Energy star certified (series fixed)	EPEAT® registered configurations available <sup>36</sup>
Certification and compliance	ENERGY STAR® certified
Sustainable impact specifications	CCC; CECP; GS Mark
Warranty	Low Halogen <sup>37</sup>
	HP Services offers 1-year or 3-year limited warranties and 90-day software limited warranty options depending on country. Batteries have a default one-year limited warranty. Refer to <a href="http://www.hp.com/support/batterywarranty">http://www.hp.com/support/batterywarranty</a> for additional battery information. On-site service and extended coverage is also available. HP CarePack 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 CarePack Services Lookup Tool at: <a href="http://www.hp.com/go/kpc">http://www.hp.com/go/kpc</a> .

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### Accessories and services (not included)

#### HP E24mv G4 FHD Conferencing Monitor



Make a great impression on video calls on this 23.8-inch full HD conferencing monitor. The integrated, 5MP tilt-adjustable pop-up webcam displays a sharp, detailed picture – even in low light – and the built-in speakers and mic produce clear, life-like sound. Everything you need to present your best self on every call.<sup>1</sup>

**Product number: 169L0AA**

<sup>1</sup> Based on HP's internal analysis of monitor series with webcams. Most advanced based on physical integration, camera angle tile, Windows Hello IR sensor, minimum 5MP and as privacy pop-up as of 5/28/2021.

<sup>2</sup> Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.

#### HP Prelude Pro 15.6-inch Recycled Backpack



Commute with a stylish and durable backpack thoughtfully designed with the environment in mind and made with recycled fabric<sup>1</sup>. The HP Prelude Pro Recycled Backpack comes with safety features for your peace of mind when you carry your devices from work to home and beyond.

**Product number: 1X644AA**

<sup>1</sup> Backpack external surface made of 95% recycled fabric.

<sup>2</sup> Power bank sold separately.

#### HP 235 Wireless Mouse and Keyboard Combo



Experience a keyboard and mouse combo that's comfortable, sleek and quiet. Now you can be at your most efficient with the least amount of noise. Plus, with keyboard shortcuts and long-lasting batteries, you can stay productive all day long.

**Product number: 1Y4D0AA**

<sup>1</sup> Wireless connectivity up to 32.8ft (10m).

<sup>2</sup> Actual battery life will vary with use and environmental conditions, and will naturally decrease with time and usage.

#### 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<sup>1</sup>, it delivers USB-C™<sup>2</sup> device connectivity and optional integrated audio.<sup>3</sup>

**Product number: 2UK37AA**

<sup>1</sup> Advanced manageability features such as WoL and MAC Address Pass-Through in all power states supported only on HP Pro x2 612 G2, HP EliteBook 1040 G4, HP EliteBook x360 1020, 1030 G2, 800 G5, 700 G5, 600 G4, 400 G5, and G4 HP Mobile Workstations as of January 17th, 2018.

<sup>2</sup> Notebooks must be able to support USB-C™ power, video, and USB-C™ and Thunderbolt™ industry standards.

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### Messaging Footnotes

- <sup>2</sup> 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.
- <sup>3</sup> 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.
- <sup>4</sup> HP Presence requires myHP application and Windows OS.
- <sup>5</sup> HP Dynamic Audio requires Windows 10 and higher, compatible with internal PC speakers and analog headsets.
- <sup>6</sup> Requires the myHP application and Windows OS.
- <sup>7</sup> HP Wolf Security for Business requires Windows 10 and higher, 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.
- <sup>8</sup> Requires Internet access and Windows 10 and higher PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HP QuickDrop app, and for an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.
- <sup>9</sup> Optional feature must be configured at the time of purchase.
- <sup>10</sup> HP Tamper Lock must be enabled by the customer or your administrator.
- <sup>11</sup> FHD display resolution required to view FHD images.

### 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 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>.
- <sup>2</sup> This system is preinstalled with Windows 10 Pro software and also comes with a license for Windows 11 Pro software and provision for recovery software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
- <sup>3</sup> 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.
- <sup>4</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- <sup>5</sup> AMD Max Boost frequency performance varies depending on hardware, software and overall system configuration.
- <sup>6</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>7</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>8</sup> For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10 and 11) is reserved for system recovery software.
- <sup>9</sup> Only functions at the Gen 3x4 capacity with AMD Ryzen Barcelona processor.
- <sup>10</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs.
- <sup>11</sup> Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.
- <sup>12</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>13</sup> Backlit keyboard is an optional feature.
- <sup>14</sup> SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.
- <sup>15</sup> HD content required to view HD images.
- <sup>16</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- <sup>17</sup> HP SureView Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
- <sup>18</sup> Actual brightness will be lower with touchscreen or SureView.
- <sup>19</sup> HP Support Assistant requires Windows and Internet access.
- <sup>20</sup> HP QuickDrop requires Internet access and Windows 10 PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HP QuickDrop app, and for an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.
- <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://www.hp.com/go/clientmanagement>.
- <sup>23</sup> Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging from 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/compu-trace-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.
- <sup>24</sup> HP Client Security Manager Gen 7 requires Windows and is available on the select HP Elite and Pro PCs.
- <sup>25</sup> HP SecureErase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP SecureErase does not support platforms with Intel® Optane™.
- <sup>26</sup> HP SureClick requires Windows 10. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
- <sup>27</sup> HP SureSense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
- <sup>28</sup> HP SureAdmin requires Windows 10, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP SureAdmin Local Access Authenticator smartphone app from the Android or Apple store.
- <sup>29</sup> HP BIOSphere Gen 6 features may vary depending on the platform and configuration.
- <sup>30</sup> HP SureRun Gen 5 is available on select HP PCs and requires Windows 10 and higher.
- <sup>31</sup> HP SureRecover Gen 5 with Embedded Reimaging is an optional feature which requires Windows 10 and must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.
- <sup>32</sup> HP SureStart Gen 7 is available on select HP PCs and requires Windows 10 and higher.
- <sup>33</sup> 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.
- <sup>34</sup> Availability may vary by country.
- <sup>35</sup> HP CarePacks are sold separately. Service levels and response times for HP CarePacks 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](http://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.
- <sup>36</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>37</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- <sup>38</sup> 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.
- <sup>39</sup> Secured-core PC requires an AMD Ryzen™ Pro processor with SDB50 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory.
- <sup>40</sup> HP Fingerprint sensor is an optional feature that must be configured at purchase.
- <sup>41</sup> HP Patch Assistant available on select HP PCs with the HP Manageability Integration 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>.
- <sup>42</sup> HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: <https://support.hp.com/us-en/document/05115630>.
- <sup>43</sup> HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.
- <sup>44</sup> Second storage is only available with non-WWAN base unit and Primary M.2 storage.
- <sup>45</sup> SIM slot is not user accessible without WWAN configuration.
- <sup>46</sup> HP Wolf Security for Business requires Windows 10 or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features and OS requirement.
- <sup>47</sup> HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit <http://www.hp.com/smart-support>.

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