

# HP EliteBook 8 G1i 14 inch Notebook AI PC

## An innovative AI PC tailored for hybrid teams

Equip high-performing teams with the HP EliteBook 8 G1i 14 inch AI PC. Designed for global teams working in-office or remotely, this PC provides the power, security, and collaboration tools needed for success, efficiently meeting multitasking needs.

### Designed for enduring productivity anywhere

Enhance your hybrid workforce with advanced conferencing, managed security, and AI-driven performance of the Intel® Core™ processor<sup>2</sup> with an 11 TOPS NPU<sup>3</sup> in the HP EliteBook 8 G1i 14 inch AI PC, designed for demanding enterprise tasks.

### Crafted with enterprise needs in mind

Experience exceptional typing and navigation with the spacious keyboard and clickpad. Benefit from improved performance and extended battery life, enabled by AI-driven intelligence and an advanced thermal design that helps keep your PC cool and quiet.

### 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>4</sup>



\*Product image may differ from actual product

## Sustainability in action

### Help protect our shared future

The HP EliteBook 8 G1i AI PC is designed using 70% ocean bound plastics in the keyboard membrane<sup>5</sup>, 50% post-consumer recycled plastic in the keycaps<sup>5</sup>, and the outer box packaging is 100% sustainably sourced and recyclable.<sup>6</sup>



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## Featuring

### HP Recommends Windows 11 Pro for business with Microsoft Copilot

Work anywhere without compromising on performance with Windows 11<sup>1</sup> and HP collaboration, security, and connectivity technology. Summarize and get relevant content recommendations with Microsoft Copilot.<sup>7</sup>

### Intel® powers PCs enhanced by AI

Free up time to focus on what matters with the latest Intel® Core™ Ultra processor with an 11 TOPS NPU.<sup>2,3</sup> Three compute engines manage workloads, help improve video conferencing and allow for advanced content creation.

### Optimize PC performance

Work without distraction with HP Smart Sense<sup>9</sup> which makes automatic adjustments keeping your system cool and quiet and lets you enable performance mode when you need it most.

### Simplified serviceability

Address many service concerns including ease of repair with fewer screws, reducing the time and cost to repair with a keyboard that detaches from the c-cover and an end user replaceable battery.

### Keep visual hackers at bay

Stop shoulder surfers in their tracks with optional HP Sure View<sup>10</sup> with onlooker detection that activates Sure View reducing visual light making your screen unreadable when viewed from the side.

### Collaboration through the NPU

Look your best on video calls and save some power too. Manage your video controls for internal and external cameras with Poly Camera Pro.<sup>8</sup> Now Auto Frame, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU.

### One touch powers the PC and logs you in

Power up and log in with a single touch of the power key that combines the power button with an integrated fingerprint sensor enhancing both security and convenience.<sup>11</sup>

### Updated sleek and stylish design

Make a statement in your next meeting with the updated thin and light design. Easily connect to a wide range of devices and networks with three USB Type-C® ports on the PC and an optional RJ-45 port.<sup>12</sup>

### Walk away lock and wake on approach

Wake and lock your PC with your presence. A proximity sensor in the optional 5MP +IR camera detects when you leave your PC and locks it. Upon your return, the sensor triggers the camera and Windows Hello to verify your identity and unlock the PC.<sup>13</sup>

### Hear and be heard

Dynamic Voice Leveling<sup>8</sup> automatically enhances microphone gain to optimize voice clarity within 3-meters of the PC. AI Noise Reduction<sup>8</sup> uses noise-filtering technology to enhance audio conferencing experience even while wearing a mask.

### Balanced light for a clear image

Make sure you can clearly be seen on calls with Dynamic Color Tuning<sup>16</sup> that adjusts camera auto-color and auto-white balance for a more natural color when you are in front of a monochromatic background.

### Enhanced predictive coverage

Limit interruptions with HP Premium+ Support, a smart service that alerts of potential device issues using predictive AI-powered insights, automation and proactive 24/7 support for our fastest diagnosis and repair—wherever work happens.<sup>14,15</sup>



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## Technical specifications

<b>Available Operating Systems</b>	Windows 11 Pro <sup>1</sup> Windows 11 Home - HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Pro Education <sup>1</sup> Windows 11 Home Single Language - HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement) <sup>1</sup> FreeDOS
<b>Processor family</b>	Intel® Core™ Ultra 7 processor Intel® Core™ Ultra 5 processor
<b>Available Processors</b>	Intel® Core™ Ultra 7 265H (up to 2.5 GHz E-core Max Turbo frequency, up to 4.5 GHz E-core Max Turbo frequency, up to 5.3 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores, 2 LP E-cores and 8 E-cores, 16 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 7 265U (up to 2.4 GHz LP E-core Max Turbo frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 5.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Graphics and Intel® AI Boost (12 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 7 255H (up to 2.5 GHz LP E-core Max Turbo frequency, up to 4.4 GHz E-core Max Turbo frequency, up to 5.1 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores, 2 LP E-cores and 8 E-cores, 16 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS) Intel® Core™ Ultra 7 255U (up to 2.4 GHz LP E-core Max Turbo frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 5.2 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Graphics and Intel® AI Boost (12 NPU TOPS) Intel® Core™ Ultra 5 235H (up to 2.5 GHz LP E-core Max Turbo frequency, up to 4.4 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS) Intel® Core™ Ultra 5 225U (up to 2.4 GHz LP E-core Max Turbo frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Graphics and Intel® AI Boost (12 NPU TOPS) Intel® Core™ Ultra 5 235U (up to 2.4 GHz LP E-core Max Turbo frequency, up to 4.1 GHz E-core Max Turbo frequency, up to 4.9 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Arc™ Graphics and Intel® AI Boost (12 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 225H (up to 2.5 GHz LP E-core Max Turbo frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 4.9 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS)
<b>Neural Processing Unit</b>	Intel® AI Boost <sup>6</sup>
<b>Product colour</b>	Glacier silver
<b>Maximum memory</b>	64 GB DDR5-5600 MT/s; 32 GB DDR5-6400 MT/s; (Transfer rates up to 6400 MT/s) Both slots are accessible/upgradeable by IT or self-maintainers only. Supports dual channel memory. <sup>47</sup>
<b>Memory slots</b>	2 SODIMM
<b>Internal storage</b>	512 GB up to 2 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC <sup>7</sup> 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD <sup>7</sup> 512 GB PCIe® Gen4x4 NVMe™ M.2 SED SSD TLC <sup>7</sup> 256 GB PCIe® NVMe™ M.2 SED SSD <sup>7</sup>
<b>Display size (diagonal, metric)</b>	35.6 cm (14")
<b>Display<sup>14,15,16,17</sup></b>	14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease; 14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 800 nits, 100% sRGB, HP Sure View 5 integrated privacy screen with HP Eye Ease; 14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 62.5% sRGB; 14" diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 800 nits, 100% sRGB, HP Sure View 5 integrated privacy screen with HP Eye Ease; 14" diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, low power, 62.5% sRGB; 14" diagonal, 2.5K (2560 x 1600), IPS, 120 Hz, anti-glare, 400 nits, 100% Adobe RGB and 100% DCI-P3 with HP Eye Ease  35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 800 nits, 100% sRGB, HP Sure View 5 integrated privacy screen with HP Eye Ease; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 62.5% sRGB; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), touch, IPS, BrightView, 800 nits, 100% sRGB, HP Sure View 5 integrated privacy screen with HP Eye Ease; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, low power, 62.5% sRGB; 35.6 cm (14") diagonal, 2.5K (2560 x 1600), IPS, 120 Hz, anti-glare, 400 nits, 100% Adobe RGB and 100% DCI-P3 with HP Eye Ease
<b>Available Graphics</b>	Integrated: Intel® Arc™ Graphics; Intel® Graphics <sup>48</sup> (Support HD decode, DX12, HDMI 2.1.)
<b>Audio</b>	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones
<b>Ports and connectors</b>	2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1, HP Sleep and Charge); 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 USB Type-A 5Gbps signaling rate (powered) <sup>12</sup> ; (HDMI cable sold separately); Optional Ports: 1 Smartcard reader (optional); 1 RJ-45 (optional) <sup>57</sup>
<b>Input devices</b>	HP Premium Keyboard - spill resistant, optional backlit keyboard with drain and DuraKeys <sup>51</sup> ; Clickpad with multi-touch gesture support; Microsoft Precision Touchpad; HP Sure Platform; Thermal sensor; HP Tamper Lock; Hall effect sensor; Color sensor with Ambient light sensing <sup>32</sup> ; Ambient light sensor
<b>Communications</b>	(Compatible with Miracast-certified devices. <sup>10</sup> ); Intel® I219-LM PCIe® GbE NIC, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, non-vPro®; Intel® Wi-Fi 7 BE201 (2x2) and Bluetooth® 5.4 wireless card, vPro®; Intel® Wi-Fi 7 BE201 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®; Qualcomm® 9205 LTE Cat-M1; HP 5000 5G Solution; HP 4G LTE Advanced Pro Cat 16 WWAN eSIM; NFC Mirage WNC XRAV <sup>18,9</sup>
<b>Camera</b>	5 MP camera; 5 MP IR camera (select models) <sup>13</sup>
<b>Software</b>	Buy Microsoft Office (sold separately); HP Connection Optimizer; HP Hotkey support; HP MAC Address Manager; HP Notifications; HP UEFI BIOS Certification level 2.7B; HP PC Hardware Diagnostics (Windows); HP Privacy Settings; HP Services Scan <sup>21</sup> ; HP Smart Support <sup>22</sup> ; HP Support Assistant; myHP; HSA Fusion for Commercial; HSA Telemetry for Commercial; Poly Lens <sup>10</sup> ; Poly Camera Pro; Copilot in Windows with Copilot key <sup>24</sup>
<b>Security management</b>	HP Tamper Lock <sup>32</sup> ; Secured-Core PC Enable <sup>33</sup> ; Windows Hello Enhanced Sign-in Security (ESS) Enable; HP Sure Admin <sup>34</sup> ; HP Sure Click <sup>35</sup> ; HP Sure Recover <sup>36</sup> ; HP Sure Run <sup>37</sup> ; HP Sure Sense <sup>38</sup> ; HP Sure Start <sup>39</sup> ; TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified); Absolute Persistence Module <sup>40</sup> ; Audio Permanent Disable; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere Gen6 <sup>41</sup> ; HP DriveLock and Automatic DriveLock; HP Secure Erase <sup>42</sup> ; HP Wake on WLAN; Security lock slot <sup>43</sup>
<b>Security Software Licenses</b>	HP Wolf Pro Security Edition <sup>56</sup>
<b>Fingerprint reader</b>	Fingerprint sensor (select models)



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<b>Management features</b>	HP Client Catalog (download) <sup>25</sup> ; HP Client Management Script Library (download) <sup>26</sup> ; HP Cloud Recovery <sup>27</sup> ; HP Connect for Microsoft Endpoint Manager; HP Driver Packs (download) <sup>28</sup> ; HP Image Assistant (download) <sup>29</sup> ; HP Manageability Integration Kit (download) <sup>30</sup> ; HP Power Manager with Battery Health Manager (download) <sup>31</sup>
<b>Memory card device</b>	1 nano SIM (optional)
<b>Power</b>	HP 65 W USB Type-C® slim adapter; 65 W USB Type-C® adapter; HP 100 W USB Type-C® slim adapter; HP 65 W USB Type-C® Halogen-free adapter; HP 65 W USB Type-C® GaN slim power adapter <sup>20</sup>
<b>Battery type</b>	HP Long Life 3-cell, 62 Wh Li-ion polymer <sup>18</sup> ; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes. <sup>19</sup>
<b>Battery life</b>	Up to 16 hours and 45 minutes <sup>60</sup>
<b>Dimensions</b>	12.43 x 8.74 x 0.46 in (front); 12.43 x 8.74 x 0.61 in (rear); 31.56 x 22.2 x 1.17 cm (front); 31.56 x 22.2 x 1.24 cm (rear); (Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)
<b>Weight</b>	Starting at 3.06 lb; Starting at 1.39 kg; (Weight will vary by configuration. Does not include power adapter.)
<b>Ecolabels</b>	EPEAT® registered configurations available; TCO Certified; EPEAT® Gold registered in the U.S. <sup>49</sup>
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Certification and compliance</b>	CE; GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS; MIL-STD 810H
<b>Sustainable impact specifications</b>	Low halogen; Bulk packaging available; 50% post-consumer recycled plastic; 80% recycled metal; 100% of HP paper-based packaging is from recycled or certified sustainable sources; Product Carbon Footprint
<b>Warranty</b>	1-year warranty and 90 day software limited warranty options depending on country. HP Worldwide Limited Warranty for the battery is aligned with the warranty period of the HP Hardware Product. 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 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: <a href="http://www.hp.com/go/cpc">http://www.hp.com/go/cpc</a> .



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## Footnotes

### Messaging 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 11 is automatically updated, which is always 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> 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>3</sup> Features and software that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.
- <sup>4</sup> HP Wolf Security for Business requires Windows 10 or 11 Pro 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.
- <sup>5</sup> Recycled plastic content percentage is based on the definition set in the IEEE 16801:2018 EPEAT standard.
- <sup>6</sup> 100% outer box packaging made from sustainably sourced certified and recycled fibers.
- <sup>7</sup> May require Windows Update or app download from the Microsoft Store. Microsoft Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.
- <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 11 is automatically updated, which is always 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> 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>3</sup> Features and software that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.
- <sup>4</sup> HP Wolf Security for Business requires Windows 10 or 11 Pro 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.
- <sup>5</sup> Recycled plastic content percentage is based on the definition set in the IEEE 16801:2018 EPEAT standard.
- <sup>6</sup> 100% outer box packaging made from sustainably sourced certified and recycled fibers.
- <sup>7</sup> May require Windows Update or app download from the Microsoft Store. Microsoft Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.
- <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 11 is automatically updated, which is always 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> 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>3</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- <sup>4</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>5</sup> Intel vPro™ requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See <http://intel.com/vpro>.
- <sup>6</sup> Features and software that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Potential NPU infencing performance varies by use, configuration, and other factors.
- <sup>7</sup> For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 32 GB is reserved for system recovery software.
- <sup>8</sup> Wi-Fi 6E requires a Wi-Fi 6E router, and Windows 11, 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>9</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 24H2, select Intel® processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
- <sup>10</sup> Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- <sup>11</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>12</sup> USB 20Gbps speed is not available with Thunderbolt™ 4.
- <sup>13</sup> Optional feature must be configured at the time of purchase.
- <sup>14</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- <sup>15</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>16</sup> Actual brightness will be lower with touchscreen or Sure View.
- <sup>17</sup> All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- <sup>18</sup> For new batteries, actual battery Watt-hours (Wh) may differ from the design capacity and may have a full charge capacity that differs by up to 10, which is typical for lithium-ion batteries. Battery capacity naturally decreases over time and with use, depending on several factors such as battery health management settings, shelf life, temperature, environment, loaded apps, features, system configuration, and power settings.
- <sup>19</sup> Recharges up to 50% within 30 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 100 watts required for battery capacities greater than 56Whr and less than 83Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 100Whr. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.
- <sup>20</sup> Availability may vary by country.
- <sup>21</sup> HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements>. Not applicable in China.
- <sup>22</sup> HP Smart Support requires the HP Insights agent to be installed. For more information about how to enable or to download HP Smart Support, please visit <http://www.hp.com/smart-support>.
- <sup>23</sup> Poly Lens Desktop requires a Windows OS.
- <sup>24</sup> Copilot in Windows requires Windows 11. Some features require an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Microsoft in Windows is not available, the Copilot key will lead to the Bing search engine. Use of Recall requires customer authentication using Windows Hello Enhanced Sign in Security (ESS) which requires a fingerprint reader or facial recognition camera and may not be supported on all platforms. See <http://aka.ms/WindowsAIfeatures>
- <sup>25</sup> HP Client Catalog not preinstalled, however available for download at: <https://www.hp.com/us-en/solutions/client-management-solutions.html>
- <sup>26</sup> HP Client Management Script Library (<https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>).
- <sup>27</sup> HP Cloud Recovery is available for 2 by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, 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/computer>.
- <sup>28</sup> HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- <sup>29</sup> HP Image Assistant not preinstalled, however available for download at (<https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html>).
- <sup>30</sup> HP Manageability Integration Kit not preinstalled, however available for download from <https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>.
- <sup>31</sup> HP Power Manager with Battery Health can be downloaded by entering your system information here: [https://support.hp.com/in-en/document/ish\\_4449597-351950716](https://support.hp.com/in-en/document/ish_4449597-351950716).
- <sup>32</sup> HP Tamper Lock must be enabled by the customer or your administrator.
- <sup>33</sup> Secured Core PC requires an Intel® vPro™, AMD Ryzen™ Pro processor or Qualcomm™ processor with SD850 or higher and requires 8 GB or more system memory. Secured Core PC functionality can be enabled from the factory.
- <sup>34</sup> HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
- <sup>35</sup> HP Sure Click requires Windows 10 and higher. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
- <sup>36</sup> HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and 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>37</sup> HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
- <sup>38</sup> HP Sure Sense requires Windows 10 and higher. See product specifications for availability. On units with WWAN shipping to China, HP Sure Sense is only available via Softpaq download.
- <sup>39</sup> HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
- <sup>40</sup> Absolute Persistence 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>41</sup> HP BIOSphere Gen6 features may vary depending on the platform and configuration.
- <sup>42</sup> HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88r™ "Clear™" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
- <sup>43</sup> Lock is sold separately.
- <sup>44</sup> HP BIOSphere Gen6 features may vary depending on the platform and configuration.
- <sup>45</sup> 4G LTE module is optional, must be configured at the factory, 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. 4G LTE not available on all products, in all regions.
- <sup>46</sup> 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) 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. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.
- <sup>47</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>48</sup> Intel® ARC Graphics capabilities require system to be configured with Intel® Core™ Ultra 5 or Ultra 7 processors and dual channel memory. Single channel memory will only function on Intel® Graphics.
- <sup>49</sup> Based on US EPEAT® registration according to IEEE 16801:2018 EPEAT™. EPEAT® status varies by country. Visit <http://www.epeat.net> for more information.
- <sup>50</sup> HP Fingerprint Sensor is an optional feature and requires configuration at purchase.
- <sup>51</sup> Backlit keyboard is an optional feature.
- <sup>52</sup> HP Wolf Security for Business requires Windows 10 or 11 Pro or 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>53</sup> RJ-45 port must be configured at time of purchase and is not available in all regions.
- <sup>54</sup> MobileMark 25 battery 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](http://www.bapco.com) for additional details.

### Specification 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> 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>3</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- <sup>4</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>5</sup> Intel vPro™ requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See <http://intel.com/vpro>.
- <sup>6</sup> Features and software that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Potential NPU infencing performance varies by use, configuration, and other factors.
- <sup>7</sup> For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 32 GB is reserved for system recovery software.
- <sup>8</sup> Wi-Fi 6E requires a Wi-Fi 6E router, and Windows 11, 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>9</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 24H2, select Intel® processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
- <sup>10</sup> Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- <sup>11</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>12</sup> USB 20Gbps speed is not available with Thunderbolt™ 4.
- <sup>13</sup> Optional feature must be configured at the time of purchase.
- <sup>14</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- <sup>15</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>16</sup> Actual brightness will be lower with touchscreen or Sure View.
- <sup>17</sup> All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- <sup>18</sup> For new batteries, actual battery Watt-hours (Wh) may differ from the design capacity and may have a full charge capacity that differs by up to 10, which is typical for lithium-ion batteries. Battery capacity naturally decreases over time and with use, depending on several factors such as battery health management settings, shelf life, temperature, environment, loaded apps, features, system configuration, and power settings.
- <sup>19</sup> Recharges up to 50% within 30 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 100 watts required for battery capacities greater than 56Whr and less than 83Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 100Whr. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.
- <sup>20</sup> Availability may vary by country.
- <sup>21</sup> HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements>. Not applicable in China.
- <sup>22</sup> HP Smart Support requires the HP Insights agent to be installed. For more information about how to enable or to download HP Smart Support, please visit <http://www.hp.com/smart-support>.
- <sup>23</sup> Poly Lens Desktop requires a Windows OS.
- <sup>24</sup> Copilot in Windows requires Windows 11. Some features require an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Microsoft in Windows is not available, the Copilot key will lead to the Bing search engine. Use of Recall requires customer authentication using Windows Hello Enhanced Sign in Security (ESS) which requires a fingerprint reader or facial recognition camera and may not be supported on all platforms. See <http://aka.ms/WindowsAIfeatures>
- <sup>25</sup> HP Client Catalog not preinstalled, however available for download at: <https://www.hp.com/us-en/solutions/client-management-solutions.html>
- <sup>26</sup> HP Client Management Script Library (<https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>).
- <sup>27</sup> HP Cloud Recovery is available for 2 by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, 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/computer>.
- <sup>28</sup> HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- <sup>29</sup> HP Image Assistant not preinstalled, however available for download at (<https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html>).
- <sup>30</sup> HP Manageability Integration Kit not preinstalled, however available for download from <https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>.
- <sup>31</sup> HP Power Manager with Battery Health can be downloaded by entering your system information here: [https://support.hp.com/in-en/document/ish\\_4449597-351950716](https://support.hp.com/in-en/document/ish_4449597-351950716).
- <sup>32</sup> HP Tamper Lock must be enabled by the customer or your administrator.
- <sup>33</sup> Secured Core PC requires an Intel® vPro™, AMD Ryzen™ Pro processor or Qualcomm™ processor with SD850 or higher and requires 8 GB or more system memory. Secured Core PC functionality can be enabled from the factory.
- <sup>34</sup> HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
- <sup>35</sup> HP Sure Click requires Windows 10 and higher. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
- <sup>36</sup> HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and 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>37</sup> HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
- <sup>38</sup> HP Sure Sense requires Windows 10 and higher. See product specifications for availability. On units with WWAN shipping to China, HP Sure Sense is only available via Softpaq download.
- <sup>39</sup> HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
- <sup>40</sup> Absolute Persistence 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>41</sup> HP BIOSphere Gen6 features may vary depending on the platform and configuration.
- <sup>42</sup> HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88r™ "Clear™" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
- <sup>43</sup> Lock is sold separately.
- <sup>44</sup> HP BIOSphere Gen6 features may vary depending on the platform and configuration.
- <sup>45</sup> 4G LTE module is optional, must be configured at the factory, 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. 4G LTE not available on all products, in all regions.
- <sup>46</sup> 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) 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. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.
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- <sup>54</sup> MobileMark 25 battery 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](http://www.bapco.com) for additional details.

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