### Empowering the hybrid workforce

The right Al-enhanced PC is essential for any large workforce. The secure and easy to manage HP EliteBook 640 provides a wide range of configurable performance and collaboration features that allow for easy standardization within existing IT environments.

# Enterprise performance improvements

See more vertical content in a surprisingly small footprint on the 16:10 ratio display that reduces the need to scroll. Enjoy port arrangements, including two USB-C<sup>®</sup> ports, in user friendly locations that allow for a thin chassis design.

### Protected by HP Wolf Security

HP Wolf Security for Business creates a hardware-enforced, alwayson, 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>3</sup>

### Make connections that matter

Let your audience see you clearly with a hybrid work-ready optional 5MP IR camera.<sup>4</sup> Enjoy crystal-clear audio from Al Noise Reduction<sup>6</sup> and speakers tuned by Poly Studio.



\*Product image may differ from actual product

### Sustainability in action

### Help protect our shared future

Responsible design brings non-backlit keycaps that contain 80-percent post-consumer recycled plastic<sup>7</sup> (PCR) and a resin containing 5-percent ocean-bound expanded polystyrene.<sup>7</sup> Optional backlit keycaps<sup>4</sup> contains 50-percent PCR plastic.<sup>7</sup>



## Featuring

#### Easy battery management

Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.<sup>6</sup>

#### Energy consumption meter

Utilize the Energy Consumption Meter that provides power usage tracking<sup>10</sup> and suggestions to reduce energy use, representing the latest in responsible design from HP.

#### All at your fingertips

A creative powerhouse that inspires. Take on big projects utilizing multiple applications with the latest Intel<sup>®</sup> processor<sup>2</sup> and up to 64GB DDR5 memory.<sup>11</sup>

#### Speed up the basics of IT management

Help speed up image creation and the management of hardware, BIOS, and security when managing devices through Microsoft Endpoint Manager with the HP Manageability Integration Kit.<sup>13</sup>

#### Crisp and clear collaboration

Al Noise Reduction<sup>6</sup> improves collaboration by applying industry-leading noise-filtering technology to all audio input—suppressing incoming and outgoing background noise—providing an enhanced audio-conferencing experience.

#### Automatic recovery from firmware attacks

Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start<sup>14</sup>, the self-healing BIOS that automatically recovers itself from attacks or corruption.

#### Keep your PC's security protections in place

Stop unwanted changes to security settings and help limit the spread of malware with HP Sure Run<sup>15</sup> which identifies, quarantines, and provides reporting on attackers trying to kill processes.

#### Keep visual hackers at bay

Stop shoulder surfers in their tracks with optional HP Sure View<sup>16</sup> that you can quickly activate with one keystroke. When activated, Sure View reduces visual light making it unreadable when the screen is viewed from the side.

#### **Recovery simplified**

HP Sure Recover ensures fast, secure, and automated recovery of the OS over LAN or Wi-Fi<sup>®</sup> from advanced malware attacks. End users can now pause or retry if the connection is lost<sup>17</sup> and it's corporate image ready for fleet deployments.



# **Technical specifications**

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 – HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing Agreement) <sup>1</sup> FreeDOS
Processor family <sup>5</sup>	Intel® Core™ Ultra 5 processor Intel® Core™ Ultra 7 processor
Available Processors <sup>2,3,4,5,12</sup>	Intel® Core <sup>™</sup> Ultra 7 165H (Up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E- cores, 22 threads), supports Intel® vPro® Technology Intel® Core <sup>™</sup> Ultra 7 155H (up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E- cores, 22 threads) Intel® Core <sup>™</sup> Ultra 5 135H (Up to 3.6 GHz E-core Max Turbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E- cores, 18 threads), supports Intel® vPro® Technology Intel® Core <sup>™</sup> Ultra 5 125H (up to 3.6 GHz E-core Max Turbo frequency, up to 4.5 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E- cores, 18 threads), Intel® Core <sup>™</sup> Ultra 5 125H (up to 3.6 GHz E-core Max Turbo frequency, up to 4.9 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E- cores, 18 threads) Intel® Core <sup>™</sup> Ultra 7 165U (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 and 8 E- cores, 14 threads), supports Intel® vPro® Technology Intel® Core <sup>™</sup> Ultra 7 155U (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 and 8 E- cores, 14 threads) Intel® Core <sup>™</sup> Ultra 5 135U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E- cores, 14 threads) Intel® Core <sup>™</sup> Ultra 5 135U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E- cores, 14 threads), supports Intel® vPro® Technology Intel® Core <sup>™</sup> Ultra 5 135U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E- cores, 14 threads), supports Intel® vPro® Technology Intel® Core <sup>™</sup> Ultra 5 135U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E- cores, 14 threads), supports Intel® vPro® Technology
Neural Processing Unit	Intel® AI Boost
Maximum memory	64 GB DDR5-5600 MT/s RAM; (Transfer rates up to 5600 MT/s.) Dual channel support. <sup>6</sup>
Memory slots	2 SODIMM
Internal storage	512 GB PCIe <sup>®</sup> Gen4x4 NVMe <sup>™</sup> M.2 SSD TLC <sup>7</sup> 512 GB up to 1 TB PCIe <sup>®</sup> Gen4x4 NVMe <sup>™</sup> M.2 SED SSD TLC <sup>7</sup> 256 GB up to 512 GB PCIe <sup>®</sup> NVMe <sup>™</sup> M.2 SSD <sup>7</sup>
Display size (diagonal, metric)	35.6 cm (14")
Display <sup>14,15,16,17,18</sup>	35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, BrightView, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen 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, 300 nits, 45% NTSC; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, 45% NTSC
Available Graphics	Integrated: Intel® Arc™ Graphics; Intel® Graphics <sup>19,44</sup> Discrete: NVIDIA® GeForce RTX™ 2050 Laptop GPU (4 GB GDDR6 dedicated) (Support DX12 and HDMI 2.1.)
Audio	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones
Ports and connectors	2 Thunderbolt <sup>™</sup> 4 with USB Type-C <sup>®</sup> 40Gbps signaling rate (USB Power Delivery, DisplayPort <sup>™</sup> 1.4); 2 USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 HDMI 21; 1 stereo headphone/microphone combo jack; 1 RJ-45 ; (HDMI cable sold separately.); Optional Ports: 1 Smartcard reader (optional)
Input devices	Spill-resistant, optional backlit keyboard with DuraKeys <sup>51</sup> ; Clickpad with multi-touch gesture support; Microsoft Precision Touchpad
Communications	(Compatible with Miracast-certified devices. <sup>9</sup> ); ; Intel® [219-LM GbE; vPro®; Intel® [219-V GbE, non-vPro®1 <sup>2</sup> ; 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® ; Qualcomm® 9205 LTE Cat-M1; HP 4000 4G LTE Advanced Pro ; NFC Mirage WNC XRAV1 <sup>812</sup>
Camera	5 MP camera; IR Camera (select models); FHD camera (select models) <sup>14</sup>
Software	Adobe offer; Buy Office; HP Connection Optimizer; HP MAC Address Manager; Copilot in Windows with Copilot key <sup>48</sup> ; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Power Manager <sup>43</sup> ; HP Privacy Settings; HP Services Scan <sup>42</sup> ; HP Smart Support <sup>57</sup> ; HP Support Assistant <sup>21</sup> ; HSA Fusion for Commercial; HSA Telemetry for Commercial; myHP; Miro offer <sup>22</sup>
Security management	HP Client Security Manager; HP Sure Admin <sup>27</sup> ; HP Sure Click <sup>28</sup> ; HP Sure Recover Gen6 <sup>29</sup> ; HP Sure Run Gen5 <sup>30</sup> ; HP Sure Sense; HP Sure Start Gen7 <sup>31</sup> ; HP Tamper Lock <sup>20</sup> ; Secured-Core PC Enable <sup>32</sup> ; TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified); Absolute Persistence Module <sup>33</sup> ; BIOS Update via Network; HP BIOSphere Gen6 <sup>34</sup> ; HP DriveLock and Automatic DriveLock; HP Secure Erase <sup>35</sup> ; HP Wake on WLAN; Windows Hello Enhanced SIgn-in Security (ESS) Enable; Security lock slot <sup>40</sup>
Security Software Licenses	HP Wolf Pro Security Edition <sup>56</sup>
Fingerprint reader	Fingerprint sensor (select models)



## **Technical specifications**

Management features	HP Client Catalog (download); HP Cloud Recovery <sup>23</sup> ; HP Connect for Microsoft Endpoint Manager <sup>24</sup> ; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant (download); HP Manageability Integration Kit (download) <sup>25</sup> ; HP Patch Assistant (download) <sup>26</sup>
Memory card device	1 nano SIM (optional)
Power	65 W USB Type-C <sup>®</sup> adapter; HP 65 W USB Type-C <sup>®</sup> Halogen-free adapter <sup>39</sup>
Battery type	HP Long Life 3-cell, 56 Wh Li-ion polymer <sup>37</sup> ; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes. <sup>38</sup>
Battery life	Up to 16 hours and 13 minutes
Dimensions	31.86 x 22.44 x 1.09 cm (front); 31.86 x 22.43 x 1.7 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.); 2.71 x 17.67 x 12 in 6.9 x 44.9 x 30.5 cm (Package)
Weight	Starting at 1.39 kg; (Weight will vary by configuration. Does not include power adapter.)
Ecolabels	EPEAT® registered configurations available; TCO Certified configurations available; EPEAT® Gold registered in the U.S. <sup>46</sup>
Energy star certified	ENERGY STAR <sup>®</sup> certified
Certification and compliance	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
Sustainable impact specifications	Low halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 20% post-consumer recycled plastic; Ocean-bound plastic in speaker enclosure and system fan; 50% recycled metal <sup>45,47,49,50</sup>
Warranty	1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. 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.



#### Footnotes

#### **Messaging Footnotes**

<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 hardward and sour hardware configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
<sup>3</sup> Ho 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 and OS requirements.
<sup>4</sup> Optional feature must be configured at time of purchase.

<sup>6</sup> Requires the myHP application and Windows OS.
<sup>7</sup> Recycled plastic content percentage is based on the definition set in the IEEE 16801-2018 standard.
<sup>10</sup> Power tracking data expected May 2024. Energy Consumption Meter requires Windows 10 and registration for the Workforce Experience platform at https://admin.hp.com. Some features and capabilities may require additional purchase of HP services and/or

commercial lackage data expected way beek tilling of onsamption media requires withoons to the registration on the workforce Spectral mark the spectral mark to the spectral mark to the registration of the workforce Spectral mark to the spectra mark to the spect Security. Fleet management requires HP Proactive Insights.

Security. Heet management requires HP Proactive insights. <sup>12</sup> Sold separately or as an optional feature. <sup>12</sup> Sold separately or as an optional feature. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows) of disk is reserved for system recovery software. <sup>14</sup> HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 Pro and higher. <sup>15</sup> HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 Pro and higher. <sup>16</sup> HP Sure Integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

<sup>17</sup> HP Sure Recover Gen5 is available on select HP PCs and requires Windows 10 Pro and higher 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. Network based recovery u Wi-Fi is only available on PCs with Intel Wi-Fi Module.

#### **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. <sup>1</sup>Not an leadures are ovaliable in all educes of versions of windows Systems may require upgrade upgrade undors separately partnased narraware, arivers, software or sitos update to take full advantage of windows functionality, windows is duchatically update and enabled.
<sup>1</sup>High speed internet and Microsoft account required, ISP tensors, Systems may require upgrade undors separately partnased narraware, arivers, software or sitos update to take full advantage of windows functionality, windows is duchatically update and enabled.
<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>Processors speed denotes maximum performance may processors will run at lower speeds in battery optimization mode.
<sup>4</sup>Intel<sup>4</sup> Turbo Boost performance varies depending on hardware, software and overall system configurations. See www.intel.com/technology/turboboost for more information.

<sup>5</sup> Features and software that require a NPU may require 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 a configuration of the factors. <sup>6</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>7</sup> For storage drives. GB = 1 billion bytes, TB = 1 trillion bytes, Actual formatted capacity is less. Up to 30GB of disk 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> Miracasti is a wireless technology your PC can use to project your screen to Tx, projectsors, and streaming.
<sup>10</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>11</sup> LPWAN (also called Mobile Narrowband) support HP Protect & Trace with Wolf Connect service through the subscription term, but do not support mobile broadband use.

<sup>11</sup> LPWAN (also called Mobile Narrowband) support HP Protect & Trace with Wolf Connect service through the subscription term, but do not support mobile broadband use.
 <sup>12</sup> Intel VPO' requires Windows 10 Pro 6 bit or higher, a vPro supported processor, vPro enabled hipset, 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>14</sup> WUXGA/FHD content required to view WUXGA/FHD images.
 <sup>15</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings.
 <sup>16</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>17</sup> Actual brightness will be lower with touchscreen or Sure View.
 <sup>18</sup> All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
 <sup>19</sup> Infel \*Graphics capabilities require system to be configured with Intel\* Core\* Ultra 7 processors and dual channel memory. Single channel memory will only function as Intel\* ARC graphics.
 <sup>10</sup> UP Tomose Leek must be extraore to enderback the extraore or extendence in the specification spresence in configured with Intel\* Core\* Ultra 7 processors and dual channel memory. Single channel memory will only function as Intel\* ARC graphics.

<sup>12</sup> HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant .
<sup>23</sup> HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant .
<sup>24</sup> HP Caustomers qualify for a 90 day trail of Miro, this offer ends September 2025. Complete terms and conditions are provided by Miro when accepting the offer.
<sup>23</sup> HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel<sup>®</sup> or AMD processors 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 for the Miro/march to Buttom and conditions of the analyzed of the analyzed

refer to: https://support.hp.com/us-en/document/c05115630.

required. <sup>25</sup> HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html. <sup>26</sup> We have a support of the support

<sup>21</sup> HP Manageabality Integration NL can be downloaded from indegrating sequence managed through NL construction.
 <sup>23</sup> HP Pack Assistant available on select HP PCs with the HP Manageability KI that are managed through NL cost System Center Configuration Manager.
 <sup>23</sup> HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability KI tor KMS Service from http://www.hp.com/go/cilentmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
 <sup>24</sup> HP Sure Click requires Windows 10 and higher. See https://bl.tyl/2PLTLF6, SureClick for complete details.
 <sup>24</sup> HP Sure Click requires Windows 10 and higher. See https://bl.tyl/2PLTLF6, SureClick for complete details.
 <sup>24</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. HP Sure Recover Gen6 with Embedded Reimging is an optional feature on select HP PCs which requires Windows 10 or 11 must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.

<sup>30</sup> HP Sure Run is available on select HP PCs and requires Windows 10 and higher.

<sup>12</sup> Social Advisor of the social and equires withouts to the ingrite. <sup>32</sup> Secured-Core PC Enable enguires an Intel<sup>44</sup> Pro<sup>5</sup>, AMD Ryzen<sup>44</sup> Pro processor or Qualcomm<sup>6</sup> processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory. <sup>33</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

<sup>33</sup> Absolute firmware module is shipped turned off and can only be activated with the purchase a locense 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 valicibility outside the U.S. Certain conditions apply. For full details visit. https://www.absolute.com/about/legal/agreements/absolute/
 <sup>34</sup> HP BIOSphere features may vary depending on the platform and configuration.
 <sup>36</sup> HP Secure Erase implements the methods outlined in the National limitute of Standards and Technology Special Publication 800-887 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel<sup>®</sup> Optone<sup>™</sup>.
 <sup>36</sup> HP Fingerprint Reader is an optional feature that requires Windows 100 or 11 and must be configured at purchase.
 <sup>37</sup> For new batteries, actual battery Watthours (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>36</sup> Recharges up to 50% within 30 minutes when the system is off or instanday mode when used with the power adapter provided with the notebook. Power adapter reinimum of 55 watts required for battery capacities 56Whr or less. Power adapter minimum of 120 watts required for battery capacities greater than 55Whr and less than 35Whr. Power adapter minimum of 120 watts required for battery capacities sthan 100Whr. After charging has reached 90% capacity, charging speed will return to normal. Charging speed will return to normal.

Charging time may vary +/-10% due to System tolerance. <sup>39</sup> Availability may vary by country.

<sup>30</sup> Availability may vary by country.
 <sup>40</sup> Lock is sold separately.
 <sup>40</sup> Lock is sold separately.
 <sup>41</sup> PF 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.hpdaos.com/requirements. Not applicable in China.
 <sup>43</sup> HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store. Depending on what version of HP Battery Health Manager (BHM) is available for your device, HP BHM may look at a number of factors to determine how to adjust battery charging over time to ophimize battery health. He BHM is preset to "Let HP Manager my Battery Charging adjusts charge capacity, the amount of run-time on battery will be reduced over time. HP may utilize BIOS updates to adjust BHM settings on select systems to ophimize battery health and reduce exposure to those factors that can accelerate battery degradation. To update or change HP BHM settings and for complete details, see https://support.pc.com/us-en/document/ish\_4449597351950716
 <sup>44</sup> Hardware acceleration for CODEC H28/ENFVC (High Efficiency Video Cardinal) is divided an the current configuration and alternate optices.

<sup>44</sup> Hardware acceleration for CODEC H.265/HEVC (High Efficiency Video Coding) is disabled on this platform, including the current configuration and alternate options <sup>45</sup> Molded pulp cushions made from 100% recycled wood fiber and organic materials.

<sup>48</sup> Based on US EPEAT<sup>®</sup> registration according to IEEE 16801/2018 EPEAT<sup>®</sup>. Status varies by country. Visit www.epeat.net for more information.
 <sup>47</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
 <sup>48</sup> Requires Windows 11 and an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Capilot in Windows is not available, the Capilot key will lead to the Bing search engine. See

Hotp://okums/Windows/Heatures
 49 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
 50 Recycled plastic content percentage is based on the definition set in the IEEE 1680.12018 strandard.

<sup>20</sup> Recycled plastic content percentage is based on the definition set in the IEEE 16801-2018 standard. <sup>20</sup> HP Wolf Pro Security Edition is available precloaded on select SKUs, and, depending on the HP product purchased includes a license with a term length communicated to you at purchase and in your order confirmation email. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at https://support.hp.com/us-en/document/ish\_3875769-3873014-16 as that EULA is modified by the following: 7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition for the term end (Initial Term). At the end of the Initial Term you may either (a) purchase and in your order confirmation email (Initial Term). At the end of the Initial Term you may either (a) purchase a renewall license for the HP Wolf Pro Security Edition from HP-com. HP Soles or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Security Edition from HP-com. HP Soles or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Security Edition from HP-com. HP Soles or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Security Edition from HP-com ever after the fixed term of the subject license ends.

<sup>37</sup> HP Smart Support requires the HP agent to be installed. For more information about how e and be or to download HP Smart Support, please visit http://www.hp.com/smart-support. HP Services Scan is provided thru Windows Update and will check entitlement on each hardware device to determine if an HP agent-enabled service has been purchased, and will download applicable software automatically. The HP agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27017 and SOC2 Type2 certified for Information Security. Internet access is required. For full system requirements or to disable this feature, please visit http://www.hpdaas.com/requirements

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