# HP ZBook 8 G1as 14 inch Mobile Workstation PC

Up level performance. Not size.



Pro-level performance combines with true mobility in this sleek and powerful laptop. Review 3D designs, create with AI tools in pro apps, run Copilot<sup>1</sup> locally and work on multiple projects anywhere. Stay productive with an AI PC mobile workstation that delivers power efficiency and long-lasting battery.<sup>2</sup>

#### **Upgrade to pro-level components**

Say goodbye to lags and crashes with fast responsiveness on projects. With up to an AMD Ryzen™ AI 9 PRO 375 processor³ and 64GB of memory,⁴ open large files and run pro apps simultaneously for speedy multitasking and increased productivity.

## Work all day. Anywhere.

The most mobile ZBook, now redesigned, is made to move. With a long-lasting battery<sup>2</sup> this sleek device is small enough to fit in your bag so you can stay productive anywhere. This is high performance workstation power on the go.

### **Accelerate AI workflows**

Hardware AI accelerators deliver power to propel advanced workloads. Offload and run productivity tasks locally up to 55 TOPS NPU<sup>5</sup> while also multi-tasking across AI accelerated professional applications.

## Help protect our shared future with PCs that drive towards increasing sustainability.

HP cares about the impact our products have on our people, communities, and the planet. That's why this device is EPEAT® Gold registered<sup>6</sup> and the outer box packaging is 100% sustainably sourced.<sup>7</sup>

(Ip)

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

Work anywhere without compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.<sup>8,1</sup>

#### AMD Ryzen™ PRO mobile processor

Redefine workstation capabilities with up to an AMD Ryzen™ AI 9 PRO 370 processor delivering outstanding CPU capabilities, unified memory, and ISV-certified graphics to power through complex workflows.<sup>3</sup>

#### **Unified Memory Architecture**

Accelerate your workflow with up to 64GB of memory. The unified memory architecture allows you to assign up to 32GB memory exclusively to the GPU for fast editing and design.<sup>4</sup>

#### **Lightning-fast Storage**

Blitz through multiple tasks and ditch external drives with up to 2 TB local NVMe storage.<sup>9</sup>

#### **HP AI Companion**

Elevate your everyday tasks with a collection of AI tools and solutions that can increase your productivity and keep you running at your best. 10

#### **HP Smart Sense**

HP Smart Sense intelligently optimizes your PC's thermal and power management based on your usage. Select full performance mode when completing demanding tasks to maximize performance.<sup>11</sup>

#### **HP DreamColor Display**

Have confidence in what you see on screen with an optional HP DreamColor Display with 100% DCI-P3 color gamut and a 120Hz refresh rate you get smooth motion for high-speed videos. 12,13

#### **Network Connectivity**

Stay connected from nearly anywhere with support for various network connectivity options. Choose 5G or Wi-Fi 7, for a fast and reliable connection in wireless environments or with the all new RJ-45 get a smooth, wired Internet experience. 14,15,16

#### **Poly Camera Pro**

Look your best on video calls and save some power too. Manage your video controls for internal and external cameras with Poly Camera Pro. Now Auto Frame, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU.<sup>17</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>18</sup>

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## **Specifications Table**

Available Operating Systems	Windows 11 Pro <sup>1</sup> Windows 11 Home <sup>1</sup> Windows 11 Pro Education <sup>1</sup> Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement) <sup>1</sup> Windows 11 Home Single Language – HP recommends Windows 11 Pro for business; FreeDOS 3.0 <sup>1</sup> FreeDOS 3.0 Ubuntu 24.04 LTS <sup>51</sup>
Processor family <sup>2,6,7</sup>	AMD Ryzen™ 9 PRO processor
Available Processors <sup>2,3,4,5,6,7</sup>	AMD Ryzen™ AI 9 HX PRO 375 (2.0 GHz base clock, up to 5.1 GHz max boost clock, 24 MB L3 cache, 12 cores, 24 threads) with AMD Radeon™ Graphics and AMD Ryzen™ AI (55 NPU TOPS)
Neural Processing Unit	AMD Ryzen™ AI
Chipset	AMD integrated SoC
Product colour	Meteor silver
Maximum memory	$64$ GB DDR5-5600 MT/s non-ECC $^8$ Transfer rates up to 5600 MT/s.
Memory slots	2 SODIMM; supports dual channel
Internal storage	512 GB up to 2 TB PCIe® Gen4 x4 NVMe $^{\text{TM}}$ M.2 2280 TLC SSD $^{11}$ up to 512 GB PCIe® Gen4 x4 NVMe $^{\text{TM}}$ M.2 2280 TLC SED OPAL 2 SSD $^{11}$ 256 GB up to 1 TB PCIe® Gen4 x4 NVMe $^{\text{TM}}$ M.2 2280 SSD $^{11}$
Display size (diagonal, metric)	35.6 cm (14")
Display <sup>24,35,37</sup>	14" diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, 300 nits, low power, 62.5% sRGB 14" diagonal, WUXGA (1920 x 1200), touch, UWVA, anti-glare, 300 nits, 62.5% sRGB 14" diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, Low Blue Light, 400 nits, 100% sRGB 14" diagonal, (2560 x 1600), 120 Hz, UWVA, anti-glare, Low Blue Light, 400 nits, 100% DCI-P3 14" diagonal, WQXGA (2560 x 1600), 120 Hz, anti-glare, Low Blue Light, 400 nits, 100% bCI-P3 14" diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, Low Blue Light, 800 nits, 100% sRGB, HP Sure View integrated privacy screen 14" diagonal, WUXGA (1920 x 1200), touch, UWVA, anti-glare, Low Blue Light, 800 nits, sRGB 100%, HP Sure View integrated privacy screen
Available Graphics	Integrated: AMD Radeon™ Graphics <sup>20,21,23</sup>
Audio	Audio by Poly Studio, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Memory card device	1 smart card reader (select models)
Ports and connectors	Left side: 1 HDMI 2.1; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) <sup>12,13,14</sup> ; Right side: 1 security lock slot; 1 RJ-45 Ethernet port; 1 USB Type-A 5Gbps signaling rate (powered); Optional Ports: 1 External Nano SIM slot for WWAN

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# **Specifications Table**

Keyboard	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys
Mouse	Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad with gesture support
Communications	WLAN: 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, non-vPro® <sup>16,17</sup> ; WWAN: HP 5G Sub-6 Cat 19; HP 4G LTE-Advanced Pro Cat 19 <sup>15,18</sup> ; LPWAN: Qualcomm® 9205 LTE Cat-M1 Modem <sup>19</sup> Near Field Communication (NFC) module
Camera	IR Camera (optional); 5 MP camera
Software	Buy Microsoft Office (sold separately); Copilot in Windows with Copilot key <sup>54,61</sup> ; HP Connection Optimizer <sup>59</sup> ; HP Hotkey support; HP MAC Address Manager; HP Notifications; HP UEFI BIOS Certification level 2.7B; HP C Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan <sup>40</sup> ; HP Smart Support Assistant <sup>57</sup> ; myHP <sup>36</sup> ; HSA Fusion for Commercial; HSA Telemetry for Commercial; Poly Camera Pro; Poly Lens <sup>58</sup> ; Edge Customization
Security management	HP Sure Admin; HP Sure Click <sup>34</sup> ; HP Sure Recover <sup>30</sup> ; HP Sure Run <sup>31</sup> ; HP Sure Sense <sup>42</sup> ; HP Sure Start <sup>32</sup> ; HP Tamper Lock <sup>39</sup> ; Secured-Core PC Enable <sup>33</sup> ; Windows Hello Enhanced Sign-in Security (ESS) Enable <sup>25</sup> ; Absolute Persistence Module <sup>60</sup> ; HP BIOS Recovery <sup>29</sup> ; BIOS Update via Network; HP BIOSphere <sup>44</sup> ; HP DriveLock and Automatic DriveLock; HP Secure Erase <sup>22</sup> ; HP Wake on WLAN; Audio Permanent Disable
Security Software Licenses	HP Wolf Pro Security Edition <sup>56</sup>
Fingerprint reader	Fingerprint reader (select models)
Management features	HP Client Catalog (download) <sup>9</sup> ; HP Client Management Script Library (download) <sup>10</sup> ; HP Cloud Recovery <sup>26</sup> ; HP Driver Packs (download) <sup>38</sup> ; HP Image Assistant (download) <sup>52</sup> HP Manageability Integration Kit (download) <sup>27</sup> ; HP Power Manager with Battery Health Manager (download) <sup>53</sup> ; HP Connect for Microsoft Endpoint Manager <sup>28</sup>
Power	HP Smart 100 W External AC USB Type-C® power adapter; HP Smart 140 W External AC USB Type-C® power adapter <sup>7</sup>
Battery type	HP Long Life 3-cell, 62 Wh Li-ion polymer <sup>41</sup>
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes <sup>43</sup>
Dimensions	$31.56 \times 22.2 \times 1.89$ cm; (Dimensions vary by configuration); $441 \times 274 \times 63$ mm (Package)
Weight	Starting at 1.44 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT® registered configurations available <sup>49</sup>
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic <sup>45,46,47,48,50</sup>

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#### **Messaging Footnotes**

- <sup>1</sup> Microsoft Copilot requires Windows 11. Some features require an NPU. Timing and availability will be dependent on Microsoft and varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See http://aka.ms/MindowsAlFeatures.
  <sup>2</sup> Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality, and por
- management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark25 battery benchmark https://bapco.com/products/mobilemark-2018/ https://bapco.com/products/mobilemark-25/ for additional details <sup>3</sup> Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessa
- benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your naroware and software to fingurations. AMD '5 numbering is not a measurement of clock speed. Features and software that require a 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.

  4 Optional feature that must be configured at purchase.

  5 Features and software that require a 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.

  Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more
- 7 HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or
- ' HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.

  8 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
- For hard drives, GB = 1 billion bytes, TB = 1 trillion bytes, Actual formatted capacity is less. Up to 30GB (for Windows 10) of system disk
- is reserved for system recovery software.

  10 HP AI Companion is available preloaded on select HP next gen AI PCs or is available for download from the Microsoft store and And Lompanion is available preloaded on select HP next gen Al HLS or is available for download from the Microsoft store and requires a HP next gen Al PC twith a NPU supporting 40-60 TOPS and requires Windows 11. Perform requires account set up within 30 days of PC boot or enrollment through the HP Al Companion app. Some features require customer upload of local data. Five (5) library 100MB limit each, supported files may vary and at launch include pdf, .bt., .docx files.
  11 HP Smart Sense requires Windows 10 or higher.
  12 Color accurate HP DreamColor display is an optional feature that must be configured at purchase.

- 13 All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either
- 14 Intel® 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) networks a \*Intel® SC module is optional and must be configured at the factory. Module designed for SG NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestial Radio Access New Radio Dual Connectivity (ENDC) with both John 25 SNR 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 selves 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.
  18 Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wir-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wir-Fi 7 router to support hardwards compatibility with prior 80? 11 Services. Available in cruotifies where Wir-Fi 7 voices available in routers where Wir-Fi 7 voices available in router for 80? 11 Services.
- oratt specification and is not final. If the final specification differs from the draft specification, it may affect communicate with other 802.11BE devices.

  3º Wi-Fiès supporting gligabit data rate is achievable with Wi-Fi 7 (802.11BE) when transferring files between couter. Requires a wireless router, sold separately, that supports 160MHz channels.

  3º Requires Windows OS.

  3º HP Wolf Security for Business requires Windows 16. backwards compatibility 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
- 18 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.

#### **Technical Specifications Footnotes**

- 1 Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 11 is automatically updated, which hardware, drivers, software or BIOS update to take full advantage of Windows functionality, Windows 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See thirdww.windows.com.

  Not all features are available in all editions or versions of Ubuntu. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS to take full advantage of Ubuntu functionality. Ubuntu may be automatically updated. ISP fees may apply and additional requirements may apply over time for updates.

  Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

  Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

  Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and find party software may have seedific conflouration or compatibility requirements. Petential NPU inferencing performance

- provider, and third party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, and other factors
- 7 Availability may vary by country.
  9 Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. (You mix memory speeds, the system will perform at the lower memory speed.
  9 HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-

- reserved for system recovery software
- <sup>12</sup> Maximum speed requires DisplayPort™ and PCIe aggregation.
- 13 HDMI cable sold separately.
- Find Labe Soil separately.

  15 SuperSpeed USE 20Gbps is not available with Thunderbolt™ 4.

  15 HP 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.

  16 Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7
- "Writeless access point and internet service required and sold separately, Availability of public writeless access points internet service requires compatible fundows 11 OS, compatible processor, and separately purchased WF-FT router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-FT 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.

  12 Wi-FT 6E requires a Wi-FT 6E router, sold separately, to function in the 6GHz band. Availability of public writeless access points limited.
- Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported. Wi-Fi 6E is designed

- to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.

  "I WWAN is an optional feature and requires factory configuration and 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, and in all regions.

  19 Cat M1 LPWAN (Mobile Narrowband) cards support select platforms with the HP Protect & Trace with Wolf Connect service, but do not support mobile broadband/Internet use
- <sup>10</sup> AMD Radeon™ Graphics on this product comes standard with the AMD Pro Graphics drive
- <sup>21</sup> Support HD decode, DX12, HDMI 1.4, HDCP 2.2 via DP up to 4K @ 60Hz and via HDMI up to 4K @ 30Hz.
  <sup>22</sup> HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88r
- m secure trase inipements the methods outlined in the National Institute of Standards and Technology Special Publication 8 

  "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane 

  3 Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.
- HD content required to view HD images
- <sup>26</sup> Windows-Hellof face authentication utilizes a camera specially configured for near infrared (IR) imaging to authenticate and unlock Windows devices as well as unlock your Microsoft Passport.
  <sup>26</sup> BH 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, network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail
- an open, network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. De please refer to https://support.pb.com/us-en/document/co51.15630

  7 HP Manageability Integration Kit not presintalled, however available for downloaded from https://www.hp.com/us-en/solutions/clie management-solutions.html#tab=manageability-tools.

  8 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>29</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
- 30 HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and an open network connection. You must back up ortant files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover fee with Embedded maging is an optional feature on select HP PCs which requires Windows 10 or 11 must be configured at purchase. You must back up ortant files, data, photos, videos, etc. before use to avoid loss of data.

  P Sure Run is available on select HP PCs and requires Windows 10 and higher.
- HP Sure Start is available on select HP PCs and requires Windows 10 and higher
- 33 Secured-Core PC Enable requires an Intel® vPro® , AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and "Secured-Lore P.C. Enable requires an Intelley PIPOS, AMD Kyzen" "Pro processor or Qualcomme processor with Suesu or nigner and requires a Ga for more system memory. Secured-core PC is enabled from the factory.

  3 H PS ure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A\_SureClick for complete details.

  3 H PS ure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

  3 HP requires Windows OS.

  37 Resolutions are dependent upon monitor capability, and resolution and color depth settings.

  38 HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.

- 39 HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior
- to use.

  40 HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device \*\*W 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 disabilities traitine, please visit http://www.hpdaas.com/requirements. Not applicable in China.
  \*\*A 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.
- and power settings.

  42 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 Softpag download.
- First out extension by available via surpled (unwindow).

  \*\*A 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.

  44 HP BIOSphere Gen6 features may vary depending on the platform and configuration.
- <sup>45</sup> Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.

  46 Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the
- \*\*Necycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in EPEAT standard for computers, IEEE 1680.1-2018 standard.
  47 HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for commercial, personal systems accessories, and spare parts is not included.
  48 Percentage of ocean-bound plastic contained in each component varies by product. Ocean Bound plastic is expressed as a
- percentage of the total weight plastic. Ocean Bound plastic is based on the definition set by the UL2809 standard. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more
- <sup>50</sup> External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may
- not be Low Halogen.

  Si Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessaril benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware a software configurations. AMD's numbering is not a measurement of clock speed.

  Si HP Image Assistant not presided, however available for download at this://tip.ext.hp.com/pub/caps-softpag/cmit/HPIA.html .

  Si HP Power Manager with Battery Health can be downloaded by entering your system information here: https://support.hp.com/in-
- en/document/ish\_4449597-3519507-16 .
- <sup>54</sup> Copilot+ in Windows requires Windows 11. Some features require an NPU. Tirning 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
- and device. Requires Microsoft account to log in. Where Microsoft in Windows is not available, the Copilot key will lead to the sing searce engine. See aka miscopilotiphyspes.

  56 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.

  56 HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Ellie, RPOS and Workstation products. See product details for included security features.

  57 HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant.

- Poly Lens Desktop requires a Windows OS 59 HP Connection Optimizer requires Windows 10 and Windows 11.

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