# HP EliteBook 640 14 inch G11 Notebook PC

# 为混合办公团队提供有力支持

The right Al-enhanced PC is essential for any workforce. The secure and easy to manage HP EliteBook 640 provides a wide range of configurable features with the latest Intel® processor<sup>2</sup>, robust memory, and rich collaboration features that allows for easy standardization within existing IT environments.

## 企业级性能提升

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\* ports, in user friendly locations that allow for a thin chassis design.

# 由 HP Wolf Security 提供保护

HP Wolf Security for Business 为您创建了一款硬件强制执行、始终在线、富有弹性的防御系统。从 BIOS 到浏览器,再到操作系统的各个方面,这些持续发展的解决方案能够帮助您的电脑抵御各类现代威胁。<sup>3</sup>

## 建立重要的联系

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



\*产品图片可能与实际产品不同

#### 在操作中实现可持续性

## 有助于守护我们共同的未来

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>



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### 配置

#### 轻松管理电池

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

#### **Energy consumption meter**

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

#### 一切尽在指尖

A creative powerhouse that inspires. Take on big projects utilizing multiple applications with the latest Intel® processor² and up to 64GB DDR5 memory<sup>11</sup> and up to 2TB of storage. 12

#### 加速基本的 IT 管理

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. $^{13}$ 

#### 协作清晰明了

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.

#### 能够从固件攻击中自动恢复

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.

#### 保障电脑上资料的安全

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.

#### 让偷窥者无从着眼

Stop shoulder surfers in their tracks with optional HP Sure View 16 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.

#### 恢复程序简单便捷

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



# HP EliteBook 640 14 inch G11 Notebook PC

## 技术规格

仅个观估	
可用的操作系统	Windows 11 Pro <sup>1</sup> Windows 11 专业教育版 <sup>1</sup> Windows 11 家用版 – HP 推荐使用商用 Windows 11 专业版 <sup>1</sup> Windows 11家用版单语言 – HP 推荐使用商用 Windows 11 专业版 <sup>1</sup> Windows 11 专业版(具备批量许可协议时可用 Windows 11企业版或 Windows 10企业版) <sup>1</sup> FreeDOS
处理器系列 <sup>5</sup>	英特尔°酷睿™ Ultra 5 处理器;英特尔° 酷睿™ Ultra 7 处理器
可用的处理器 <sup>2,3,4,5,12</sup>	Intel® Core™ 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™ 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™ 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™ 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™ Ultra 7 165U (Up to 3.8 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, 14 threads), supports Intel® vPro® Technology Intel® Core™ 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™ 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™ Ultra 5 125U (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™ Ultra 5 125U (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)
最大内存	64 GB DDR5-5600 MT/s RAM; (传输速率高达 5600 MT/秒) 双通道支持。 <sup>6</sup>
内存插槽	2个SODIMM
内部存储	512 GB 高达 2 TB PCle® Gen4x4 NVMe™ M.2 SSD TLC <sup>7</sup> 512 GB 高达 1TB PCle® Gen4x4 NVMe™ M.2 SED SSD TLC <sup>7</sup> 256GB 高达 512 GB PCle® NVMe™ M.2 SSD <sup>7</sup> 高达 256GB PCle® NVMe™ M.2 SED SSD <sup>7</sup>
显示屏尺寸(对角,公制)	35.6 厘米(14 英寸)
显示屏尺寸(对角,公制)	35.6 厘米(14 英寸) 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
	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,
显示屏 <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 集成式: 英特尔® Arc™显卡;英特尔®显卡19.44
显示屏 <sup>14,15,16,17,18</sup> 可用的显卡	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 集成式: 英特尔* Arc™ 显卡; 英特尔* 显卡¹9.44 (Support DX12 and HDMI 2.1.)
显示屏 <sup>14,15,16,17,18</sup> 可用的显卡 音频	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 集成式: 英特尔* Arc™显卡; 英特尔* 显卡¹9.44 (Support DX12 and HDMI 2.1.)  Poly Studio 音频、带分立放大器的双立体声扬声器、集成双阵列麦克风  2 Thunderbolt™ 4 with USB Type-C* 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45; (HDMI电缆需单独购买。);
显示屏 <sup>14,15,16,17,18</sup> 可用的显卡 音频 端口和连接器	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 集成式: 英特尔* Arc™显卡;英特尔* 显卡¹9.44 (Support DX12 and HDMI 2.1.)  Poly Studio 音频、带分立放大器的双立体声扬声器、集成双阵列麦克风  2 Thunderbolt™ 4 with USB Type-C* 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45; (HDMI电缆需单独购买。); 可选端口: 1 个智能卡读卡器端口(可选)
显示屏 <sup>14,15,16,17,18</sup> 可用的显卡 音频 端口和连接器	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 集成式: 英特尔* Arc™ 显卡; 英特尔*显卡 19.44 (Support DX12 and HDMI 21.)  Poly Studio 音频、带分立放大器的双立体声扬声器、集成双阵列麦克风  2 Thunderbolt™ 4 with USB Type-C* 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 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电缆需单独购买。); 可选端口:1个智能卡读卡器端口(可选)  带 DuraKeys 的背光式防溅键盘(选配) <sup>13</sup> , Clickpad with multi-touch gesture support; Microsoft Precision Touchpad  (与经 Miracast 认证的设备兼容。);
显示屏 <sup>14,15,16,17,18</sup> 可用的显卡 音频 端口和连接器 输入设备	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   ### WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC   ### WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC   ### WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC   #### WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC   ###################################
显示屏 <sup>14,15,16,17,18</sup> 可用的显卡 音频 端口和连接器 输入设备 通信	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
显示屏 <sup>14,15,16,17,18</sup> 可用的显卡 音频 端口和连接器 输入设备 通信 摄像头	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  集成式: 英特尔* Arc** 显卡: 英特尔* 显卡19.44 (Support DX12 and HDMI 21.)  Poly Studio 音频、带分立放大器的双立体声扬声器、集成双阵列麦克风  2 Thunderbolt** 4 with USB Type-C** 40Gbps signaling rate (USB Power Delivery, DisplayPort** 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; (HDMIne继需单独购率。); 可选端口: 1个智能卡读卡器端口(可选)  带 DuraKeys 的背光式防溅键盘(选配) 13, Clickpad with multi-touch gesture support; Microsoft Precision Touchpad  (与经 Miracost 认证的设备兼容。); 英特尔*(1219-14) GbE,非博说*12; 英特尔*(141-14) HP 219-14 GbE,非博说*12; 英特尔*(141-14) HP 31-14 GbE,排除*: 其特尔*(141-14) HP 31-14 GbE,排除*: 其特尔*(141-14) HP 31-14 GbE,对于 5.3 无线卡,排除*; 文化如此的研》 9205 LTE Cart-MT; HP 4000 4G LTE Advanced Pro; NFC Mirage WNC XRAV-I <sup>312</sup> 5 MP camera; IR Camera (select models); FHD camera (select models) <sup>14</sup> Adobe 优惠; 购买 Office; HP Connection Optimizer; HP Easy Clean 键盘驱动程序; HP MAC Address Manager; 带有 Copilot 键的 Windows Copilot* <sup>16</sup> , HP PC Hardware Diagnostics UEF; HP PC Hardware Diagnostics Windows; HP Power Manager* <sup>17</sup> , 惠普隐私设置; HP Services Scan* <sup>42</sup> , HP Smart Support* <sup>57</sup> ; HP Surport Assistant* <sup>25</sup> ; 商用 HSA Fusion; HSA Telemetry for Commercial; myHP; Miro 优惠* <sup>22</sup> HP Sure Security Manager, HP Sure Admin* <sup>27</sup> ; HP Sure Click* <sup>28</sup> , HP Sure Recover Gen6* <sup>23</sup> , 第 5 代 HP Sure Run* <sup>30</sup> , HP Sure Sense; 第 7 代 HP Sure Start* <sup>31</sup> , 惠普阶运锁0. 启用安全核心的电影 <sup>32</sup> ; TPM 2.0 Embedded Security Chip (Common Criterio EAL4 + Certified) (FIPS 140-2 Level 2 Certified). Absolute Persistence 维维·3. 通过的数量, HP Dischere Gen6* <sup>34</sup> , 第 音歌或数数制自动动动动脉锁:HP Secure Erass <sup>36</sup> . HP Sure Recover Gen6* <sup>34</sup> , 第 音歌或数数数自动动动脉锁:HP Secure Erass <sup>36</sup> . HP



指纹识别器

指纹传感器(部分型号提供)

# HP EliteBook 640 14 inch G11 Notebook PC

技术规格	
管理特性	HP Client Catalog(下载) HP Cloud Recovery <sup>23</sup> HP Connect for Microsoft Endpoint Manager <sup>24</sup> HP Client Management Script Library(可供下载) HP 驱动程序包(下载) HP Image Assistant(下载) HP 可管理性集成套件(下载) <sup>25</sup> HP Patch Assistant (可供下载) <sup>26</sup>
内存卡设备	1个nano SIM 卡槽(可选)
电源	65 W USB Type-C° adapter; HP 65 W USB Type-C° Halogen-free adapter <sup>39</sup>
电池类型	HP Long Life 3-cell, 56 Wh Li-ion polymer; HP Long Life 3-cell, 48 Wh Li-ion polymer <sup>37</sup> ; 电池为内置,客户不能更换。可通过保修服务维修。可在 30 分钟内快速充电至 50%。 <sup>38</sup>
电池寿命	Up to 16 hours and 13 minutes
外形尺寸	31.86 x 22.44 x 1.09 cm (front); 31.86 x 22.43 x 1.7 cm (rear); (前部高度测量靠近前边缘,从机箱底盖锥度开始。后部高度测量靠近机箱底盖锥度末端的后边缘。); 2.71 x 17.67 x 12 in 6.9 x 44.9 x 30.5 厘米 (文档包)
重量	1.39 千克起; (重量因配置而异。不附带电源适配器。)
节能环保认证	可提供经 EPEAT®注册的配置;可提供 TCO 认证配置;EPEAT® 金牌,在美国注册。 <sup>46</sup>
符合能源之星标准认证	经过能源之星 <sup>®</sup> 认证
认证与法规遵从	GS 标志;CSA/UL 62368-1;FCC/ICES/CISPR/VCCI;CE 标志;中国大陆 CCC/SRRC;中国台湾 BSMI/NCC;韩国 KCC/KC/KES; 乌克兰 NSoC/TEC;EAEU 合规;沙特阿拉伯合规;低蓝光;WW RoHS
符合可持续发展环保规范	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 45,47,49,50
保修	1年保修和 90 天软件有限保修选配服务(取决于所在国家/地区)。电池默认享有一年有限保修。有关电池的详细信息,请访问 http://www.hp.com/support/batterywarranty/。此外还提供上门服务和延长保修服务。惠普金牌服务属于选配扩展服务合同,可以 在标准有限保修之外提供其他优质服务。如需为惠普产品选择适当服务,请访问以下网站,使用惠普金牌服务查找工具:



http://www.hp.com/go/cpco

# HP EliteBook 640 14 inch G11 Notebook PC

#### 注释

#### 消息脚注

- <sup>2</sup>多核技术旨在提高某些软件产品的性能。并非所有客户或软件应用程序都可从该技术中获益。性能和时钟频率因应用工作负载及软硬件配置而异。英特尔的产品编号、品牌和/或命名与性能高低无关。 <sup>3</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 and OS requirements.
- 可选功能必须在购买时进行配置。
- 6 需要使用 mvHP 应用和 Windows 操作系统。

7 可再生塑料含量的比例基于 IEEE 16801-2018 标准中的定义。
10 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 hardware capable of supporting the HP Insights agent for Windows, Mac, & Android. Activation and restrictions may apply. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android. activation and restrictions may apply. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android. activation and restrictions may apply. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android. activation and at https://admin.hp.com/requirements. The agent collects telemetry and analytics around devices and applications that integrate into the Workforce Experience platform and is not sold as a standalone service. Internet access with connection to the Workforce Experience platform is required. HP follows stringent GDPR privacy regulations, and the platform is ISO27001, ISO27017, ISO27017 and SOC2 Type2 certified for Information Security. Fleet management requires HP Proactive Insights.

1单独销售或作为可选功能提供。

- 2 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.

  4 HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 Pro and higher.
- 15 HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 Pro and higher.
- 16 HP Sure integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
- The Surre 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 using Wi-Fi is only available on PCs with Intel Wi-Fi Module.

#### 规格脚注

- 并非 Windows 所有版本的每种功能都可用。系统可能需要升级和/或单独购买硬件、驱动程序、软件或 BIOS 更新、才能充分利用 Windows 功能。Windows 保持自动更新和启用,需要使用高速互联网和 Microsoft 帐户。可能需要支付 ISP 费用,并且随着不断更新 77-14-VINOWS OF INCAPORT OF THE WASHINGTON TO A STATE OF THE WASHINGTON OF THE WASH

- 5 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,
- 某些第三方内存模块采用的并非行业标准,因此我们建议使用惠普内存,以便确保兼容性。如果您混用内存速度,系统将会以较低的内存速度运行。
- For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB of disk is res BWI-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.
- 9 Mirocost 是一项无线技术,您的 PC 可使用该技术将屏幕内容投影到电视,投影仪和流媒体播放器中。 10 WWAN 模块是一项可选功能,需要在出厂时配置,且需单独购买服务合同。请与服务供应商联系,了解您所在地区是否提供此服务及其覆盖范围。连接速度因地点、环境、网络条件和其他因素而异。4G LTE 并非适用于每种产品和每个地区。
- and Enterprise vary. See http://intel.com/vpro. 13 背光键盘是可选功能。
- 14 WUXGA/FHD content required to view WUXGA/FHD images.

- 15分辨率取决于显示器功能、分辨率和色彩深度设置。
  16 HP Sure View Reflect 集成防魔显示屏是一项可选功能,必须在购买时进行配置,且可模屏使用。
  17 触摸屏或 Sure View 屏幕的实际亮度更低。
  18 All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary enter inginer or lower.
   Intel® 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 as Intel® ARC graphics.
   HP Parmer Lock must be enabled by the customer or your administrator.
   HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant.
   HP Customers qualify for a 90 day trail of Mirry. Del Del Bit and the declators equilibrates PC & Complete terms and AMD processors reprovided by Mirry on pen network connection. Note: You must back un important files del and the processors are provided.

- 23 HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel\* 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 CHP (Cloud Recovery is available for Z by HP; HP little and Pro desktops and laptops PCs with Intel® 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 refer to: https://support.hp.com/us-en/docom/u

- 29 HP Sure Recover is available on select HPPCs 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

- Discontinuo la proposa de la policia de la p <sup>36</sup> HP Fingerprint Reader is an optional feature that requires Windows 10 or 11 and must be configured at purchase.
- <sup>37</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>38</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.

  39 Availability may vary by country.
- 40 Lock is sold separately.
- 4THP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.

  4Z 在指定产品上 IP Services Scan 通过 Windows Update 提供,将检查每个硬件设备的权限,确定是否购买了支持 IP TechPulse 的服务,自动下载适用软件。IP TechPulse 是一款遥测和分析平台,可提供关于设备和应用的重要数据。如需了解完整的系统要求或禁用此功能,请访问 http://www.hpdacas.com/requirements。不适用于中国大陆。

  43 IP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store. Depending on what version of IP Battery Health Manager (BHM) is available for your device, IP BHM may look at a number of factors to determine how to adjust
- \*\*PP Week Manager requires windows to drain legier and can be advantaged and the control in the Microsoft Surface. Depending of which terry requires manager (laring) is advantable to your device, Pri Brain may look at a number of nectors to a determine now adjust bettery charging over time to optimize bottery requires the most bettery death and per better years a better years and the property 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.hp.com/us-en/document/ish\_4449597-3519507-16\*

  \*\*Hardware acceleration for CODEC H266/HEVC (High Elicinery Video Coding) is disabled on this platform, including the current configuration and alternate options.

  \*\*Support of the property of the property of the control of the property of the pro

- 46 Based on US EPEAT\* registration according to IEEE 1680.1-2018 EPEAT\*. Status varies by country. Visit www.epeat.net for more information.

  47 External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- 48 Requires Windows 11 and an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot in Windows is not available, the Copilot key will lead to the Bing search engine. See
- 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 1680.1-2018 standard.
- The Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

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- The Smart Support requires the HP agent to be installed. For more information about how to enable or to download HP Smart Support, please visit http://www.hp.com/jsmart-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, ISO27701, 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.hpdggs.com/requirements.

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