# HP EliteBook X G1i 14 inch Notebook Next Gen Al PC

## Drive strategy with the efficiency and power of next-gen Al

Propel your business forward with AI that uses your own data to make strategic business decisions. Discover what you can do with AI applications<sup>4</sup>, advanced collaboration features, and optimized battery life on the HP EliteBook X G1i Next Gen AI PC.

## Optimize time and streamline your effort with next-gen Al

Accelerate work with 48 TOPS and Al for transcribing meetings and building presentations that quickly bring your strategies to life. Built-in Al performance management helps extend battery life so you can focus on deep thinking, rather than finding an outlet.<sup>3,4</sup>

# Connect and engage effortlessly with Al Innovations

Ensure that you and your ideas take the main stage in every collaborative session with Poly Camera Pro's background adjustments, automatic framing, and spotlight.<sup>5</sup> Hear and be heard clearly with four Poly Studio tuned speakers and two studio-quality mics.

# Robust security against quantum computing attacks

Fortify your workforce against quantum threats with the built-in HP Endpoint Security Controller (ESC).<sup>6</sup> The latest ESC protects firmware against quantum computer attacks and helps ensure the integrity of sensitive and regulated data.



\*Product image may differ from actual product

#### Sustainability in action

#### Help protect our shared future

With over 70-percent of major parts<sup>7</sup> containing recycled materials8, including recycled fishnets in the keyboard, the HP EliteBook X G1i provides power data tracking and suggestions to reduce energy use representing the latest in design from HP.<sup>9</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 rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.<sup>10</sup>

#### Intel® powers PCs next-gen Al

Free up time to focus on what matters with the latest Intel® Core™ Ultra processor with an NPU<sup>2,3</sup> purposely built for the next era of Al software.<sup>4</sup>

#### Explore new things and find answers

Seamlessly explore new things and find answers to anything you need, leveraging web content. With AI Companion you can Ask for information, advice, creative ideas, or just conversation. Experience the power of AI knowledge at your fingertips.<sup>12</sup>

#### Query and interact with your personal files

Query and interact with your personal files on your device to get actionable insights. Build a custom library in Al Companion to Analyze, compare and summarize your documents, or draft reports and articles.<sup>12</sup>

#### Optimize your PC with Perform tool

Get updates and ongoing optimization with the Perform tool in Al Companion that will assess your PC performance, improve it and better your everyday experience over time. It works in the background to maintain system drivers, BIOS, and core PC firmware.<sup>12</sup>

#### 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>5</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>13</sup>

#### Wake and lock with your presence

Lock your PC when you leave it and wake it when you approach with HP Auto Lock and Awake. An advanced proximity sensor detects your presence and triggers the camera and Windows Hello to confirm your identity and unlock your PC.<sup>14</sup>

#### Hear and be heard

Dynamic Voice Leveling<sup>5</sup> automatically enhances microphone gain to optimize voice clarity within 3-meters of the PC. Al Noise Reduction<sup>5</sup> uses noise-filtering technology to enhance audio conferencing experience even while wearing a mask.

#### Al-enhanced features

Work without distractions with HP Smart Sense<sup>15</sup> that uses AI to shift gears between comfort and performance. It automatically anticipates and adjusts to your PC usage behavior, ensuring the best balance of performance and power.

#### 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. 16

#### 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>11</sup>



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## **Technical specifications**

Available Operating Systems	Windows 11 Pro <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> FreeDOS
Processor family	Intel® Core™ Ultra 5 processor Intel® Core™ Ultra 7 processor
Available Processors <sup>2,3,4,5</sup>	Intel® Core™ Ultra 7 268V (up to 3.7 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (48 NPU TOPS)  Intel® Core™ Ultra 7 266V (up to 3.7 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (48 NPU TOPS)  Intel® Core™ Ultra 7 258V (up to 3.7 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (47 NPU TOPS)  Intel® Core™ Ultra 7 256V (up to 3.7 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (47 NPU TOPS)  Intel® Core™ Ultra 5 238V (up to 3.5 GHz E-core Max Turbo frequency, up to 4.7 GHz P-core Max Turbo frequency, 8 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (40 NPU TOPS)  Intel® Core™ Ultra 5 236V (up to 3.5 GHz E-core Max Turbo frequency, up to 4.7 GHz P-core Max Turbo frequency, 8 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (40 NPU TOPS)  Intel® Core™ Ultra 5 228V (up to 3.5 GHz E-core Max Turbo frequency, up to 4.5 GHz P-core Max Turbo frequency, 8 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (40 NPU TOPS)  Intel® Core™ Ultra 5 228V (up to 3.5 GHz E-core Max Turbo frequency, up to 4.5 GHz P-core Max Turbo frequency, 8 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (40 NPU TOPS)  Intel® Core™ Ultra 5 228V (up to 3.5 GHz E-core Max Turbo frequency, up to 4.5 GHz P-core Max Turbo frequency, 8 MB L3 cache, 4 P-cores and 4 E-cores, 8 threads) with Intel® Arc™ Graphics and Intel® Al Boost (40 NPU TOPS)
Neural Processing Unit	Intel® Al Boost <sup>5</sup>
Product colour	Atmosphere blue; Glacier silver
Maximum memory	32 GB LPDDR5x-8533 MT/s; (Transfer rates up to 8533 MT/s.) Slots are non customer accessible/upgradeable. Supports dual channel memory.
Internal storage	512 GB up to 2 TB PCle® Gen4x4 NVMe™ M.2 SSD TLC <sup>6</sup> 256 GB up to 1TB PCle® NVMe™ M.2 SSD <sup>6</sup> 512 GB PCle® Gen4x4 NVMe™ M.2 SED SSD TLC <sup>6</sup>
Display size (diagonal, metric)	35.6 cm (14")
Display <sup>16,17,18,19</sup>	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), touch, 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), touch, IPS, anti-glare, 500 nits, 100% sRGB; 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
Available Graphics	Integrated: Intel® Arc™ Graphics <sup>15</sup> (Support DX12 and HDMI 2.1.)
Audio	Audio by Poly Studio, quad 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> 2.1, HP Sleep and Charge); 1 USB Type-C <sup>®</sup> 10Gbps signaling rate (USB Power Delivery, DisplayPort <sup>™</sup> 1.4); 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 USB Type-A 5Gbps signaling rate (powered) <sup>14</sup> ; (Cables are not included.)
Input devices	HP Premium Keyboard - spill-resistant, full-size, backlit keyboard with DuraKeys; Clickpad with multi-touch gesture support; Microsoft Precision Touchpad; Gyroscope; Thermal sensor; Hall effect sensor; Color sensor with Ambient light sensing; Inertial Measurement Unit sensor; Ambient light sensor
Communications	(Compatible with Miracast-certified devices.);; Qualcomm® 9205 LTE Cat-M1 Modem <sup>13</sup> ; 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®; HP 4000 4G LTE Advanced Pro; HP 5000 5G Solution; NFC Mirage WNC XRAV-1 <sup>8,9</sup>
Camera	5 MP camera; IR camera
Software	Buy Microsoft Office (sold separately); HP AI Companion; HP Connection Optimizer; HP Easy Clean <sup>25</sup> ; HP Hotkey support; HP MAC Address Manager; HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan <sup>26</sup> ; HP Smart Support Assistant <sup>27</sup> ; HSA Fusion for Commercial; HSA Telemetry for Commercial; myHP <sup>28</sup> ; Poly Camera Pro; Poly Lens <sup>29</sup>
Security management	Secured-Core PC Enable <sup>38</sup> ; Windows Hello Enhanced SIgn-in Security (ESS) Enable; HP Sure Admin <sup>39</sup> ; HP Sure Click <sup>40</sup> ; HP Sure Recover <sup>41</sup> ; HP Sure Run <sup>42</sup> ; HP Sure Sense <sup>43</sup> ; HP Sure Start <sup>44</sup> ; HP Tamper Lock <sup>45</sup> ; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); Absolute Persistence Module <sup>46</sup> ; Audio Permanent Disable; BIOS Update via Network; HP BIOSphere Gen6 <sup>47</sup> ; HP DriveLock and Automatic DriveLock; HP Secure Erase <sup>48</sup> ; HP Wake on WLAN
Security Software Licenses	HP Wolf Pro Security Edition <sup>56</sup>
Fingerprint reader	Fingerprint sensor (select models)



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## **Technical specifications**

Management features  HP Client Catalog (download) <sup>30</sup> ; HP Client Management Script Library (download) <sup>31</sup> ; HP Cloud Recovery <sup>32</sup> ; HP Image Assistant (download) <sup>30</sup> ; HP Power Manager with Battery Health Manager (download) <sup>31</sup> ; HP Connect for Microsoft Endpoint Manager <sup>33</sup> ; HP Driver Packs (download) <sup>34</sup> Memory card device  1 nano SIM (optional)  Power  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>22</sup> Battery type  HP Long Life 6-cell, 68 Wh LH-ion polymer; HP Long Life 3-cell, 56 Wh LH-ion polymer <sup>20</sup> ; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes. <sup>21</sup> Dimensions  31.39 x 21.99 x 1.05 cm (front); 31.39 x 21.99 x 1.49 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.)  Weight  Storting at 118 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>23</sup> Energy star certified  ENERGY STAR* certified  Certification and CSA/UL 62368-1; 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; 35% post-consumer recycled plastic; 30% ocean-bound plastic; 90% recycled metal; 50% ocean-bound plastic in fan enclosure; 100% of HP paper-based packaging is from recycled or certified sustainable sources. <sup>24</sup> Warranty  Warranty  Warranty  Warranty  Marranty only of day software limited warranty options depending on country. Batteries have a default one year limited warranty, poming depending on sountry. Batteries have a default one year limited warranty, because depending on sountry		
Power 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; 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; 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; HP 100 W USB Type-C* slim adapter; HP 65 W USB Type-C* Halogen-free adapter; HP 100 W USB Type-C* slim adapter; HP 65 W USB Type-C* Halogen-free adapter; HP 100 W USB Type-C* slim adapter; HP 65 W USB Type-C* Halogen-free adapter; HP 100 W USB Type-C* slim adapter; HP 65 W USB Type-C* Halogen-free adapter; HP 100 W USB Type-C* slim adapter; HP 100 W USB Type	Management features	(download) <sup>35</sup> ; HP Manageability Integration Kit (download) <sup>36</sup> ; HP Power Manager with Battery Health Manager (download) <sup>37</sup> ; HP
Battery type  HP Long Life 6-cell, 68 Wh Li-ion polymer; HP Long Life 3-cell, 56 Wh Li-ion polymer <sup>20</sup> ; Battery type HP Long Life 6-cell, 68 Wh Li-ion polymer; HP Long Life 3-cell, 56 Wh Li-ion polymer <sup>20</sup> ; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes. <sup>21</sup> Dimensions  31.39 x 21.99 x 1.05 cm (front); 31.39 x 21.99 x 1.49 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.)  Weight  Starting at 1.18 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>23</sup> Energy star certified  ENERGY STAR* certified  Certification and compliance; Low blue light; WW RoHS  Sustainable impact specifications  Low halogen; Bulk packaging available; 35% post-consumer recycled plastic; 30% ocean-bound plastic; 90% recycled metal; 50% ocean-bound plastic in fan enclosure; 100% of HP paper-based packaging is from recycled or certified sustainable sources <sup>24</sup> 1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warrantes. To choose the right level of service for your HP product, use the HP Care Pack	Memory card device	1 nano SIM (optional)
Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes. 21  Dimensions 31.39 x 21.99 x 1.05 cm (front); 31.39 x 21.99 x 1.49 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.)  Weight Starting at 1.18 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. 23  Energy star certified ENERGY STAR* certified  Certification and compliance CCSA/UL 62368-1; 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; 35% post-consumer recycled plastic; 30% ocean-bound plastic; 90% recycled metal; 50% ocean-bound plastic in fan enclosure; 100% of HP paper-based packaging is from recycled or certified sustainable sources 24  1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. 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	Power	
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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.

  3 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. Potential NPU inferencing performance varies by use,
- consignation, and other roctors.

  18 Solutions are sold separately and may require a subscription and NPU.

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  18 Requires HP app and Windows OS. Al Magic Background runs on the GPU when initially generating your background in Poly Camera Pro. The NPU is used for streaming your restyled background in your collaboration applications.

  18 Requires Windows 10 or higher. For supported HP PCs with the latest HP Endpoint Security Controller (Gen 5). See https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3644ENW.

  18 Major parts do not include screws, cables, inner frame, SSD, memory, and sub PCBs.

- 8 Recycled materials is expressed as a percentage of the total recycled plastic and metal over the total weight of the product.

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  Percy Consumption Meter requires Window 10 and registration for the Workforce Experience platform at https://dominh.p.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, available for download at https://dominh.p.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requirements and services that require the gent, please visit https://domin.hp.com/software. For full system requirements and services that require the agent, please visit https://domin.hp.com/software. For full system requires and services and constitutes and so satisfactors and services and requires the very required. HP follows extract the system requires HP Proceedings of the full system requires HP Procedures HP requires HP Procedures HP requires HP Procedures HP requires HP Procedures Internet Conducts See products. See products. See products

#### 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 11 is automatically updated, which is always 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.

  \*Willioner 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 configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
- 3 Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

  Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
- <sup>5</sup> 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. Potential NPU inferencing performance varies by use

\*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. Potential NPU interencing performance varies by use, configuration, and other factors.

6 For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB is reserved for system recovery software.

9 Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.118E) functionality requires Windows 11 24H2, select Intel\* processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with p 802.118E 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 802.118E devices.

9 Intel VPO\* requires Windows 10 or 11 Pro and 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/prop.

  Wary See http://intel.com/prop.
- lower memory speed.

  13 Cat MTLPWAN (Mobile Narrowband) cards support select platforms with the HP Protect & Trace with Wolf Connect service, but do not support mobile broadband/Internet use

  14 USB 20Gbps speed is not available with Thunderbolt™ 4.
- "IUSB 20Gbps speed is not available with Thunderboit" 4.

  Is lintel" 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.

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

  If HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

  Actual brightness will be lower with touchscreen or Sure View.

  All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.

  For new batteries, actual battery Worlt-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 batters the battery battery actual pattern actual pattern and with use, depending on several factors such batters the pattern actual pattern actual pattern and with use, depending on several factors such battern before actual pattern actual pattern actual pattern and with use, depending on several factors such battern before actual pattern actual pattern and with use, depending on several factors such battern before actual pattern actual pattern and with use, depending on several factors such battern before actual pattern actual pattern and with use, depending on several factors such battern before actual pattern actual pattern and with use, depending on several factors such battern before actual pattern and with use, depending on several factors such battern actual pattern actual pattern and with use actual pattern and with use, depending on several factors such battern actual pattern actual pattern and with use actual pattern and wi

- as battery health management settings, shelf life, temperature, environment, loaded apps, features, system configuration, and power settings.

  21 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

- due to System tolerance.

  2º Availability may vary by country.

  2º Bosed on US EPEAT\* registration according to IEEE 1680.1-2018 EPEAT\*. Status varies by country. Visit www.epeat.net for more information.

  2º External power supplies, power cords, cables and peripherals are not Low Hologen. Service parts obtained after purchase may not be Low Hologen.

  3º External power supplies, power cords, cables and peripherals are not Low Hologen. Service parts obtained after purchase may not be Low Hologen.

  3º HPE asy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickydo only. Ports are not disabled. See user guide for cleaning instructions.

  3º HP Services Scan is preinstalled and/or provided thru Windows Update and checks for service entitlement on each hardware device and downloads the HP Insights agent automatically, To disable this feature, please follow the instructions at http://www.hpdaas.com/requirements.

  The HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android, available for download at https://domin.hp.com/septitwere.For full system requirements and services that require the agent, please visit https://domin.hp.com/septitwere.For full system requirements and services that require the agent, please visit https://domin.hp.com/septitwere.For full system requirements and services that require the agent, please visit https://domin.hp.com/septitwere.For full system requirements and services that require the agent, please visit https://domin.hp.com/septitwere.For full system requirements and services that require the agent, please visit https://domin.hp.com/septitwere.For full system requirements and services that require the agent please visit https://domin.hp.com/septitwere.For full system requirements and services that require the agent please visit https://domin.hp.com/septitwere.Fo
- <sup>27</sup> HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant

- \*\* Hir Support Assistant is available on windows. For more information, piease visit www.support.np.com/neip/np-support-assistant i.

  28 MyHP requires Windows 10 or higher OS.

  29 Poly Lens requires a Windows OS.

  30 HP Client Catalog not preinstalled, however available for download at: https://www.hp.com/us-en/solutions/client-management-solutions.html.
- 31 HP Client Management Script Library (https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools).
- 2º HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel" or AMD processors and requires an open, network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to:

- 2 HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with intel® or AMD processors and requires an open, 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/jus-en/computer.
  3 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. HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/elientmanagement.
  3 HP Dronger Sasistant not preinstalled, however available for download at http://jus.html.
  3 HP Managedoility integration kit not presintalled, however available for downloaded from https://jus.wwh.p.com/jus-en/solutions/client-management-solutions.html#tab=manageability-tools.
  3 HP Managedoility integration kit not presintalled, however available for downloaded from https://jus.wwh.p.com/jus-en/solutions/client-management-solutions.html#tab=manageability-tools.
  4 HP Managedoility integration kit not presintalled, however available for downloaded from https://jus.wwh.p.com/jus-en/solutions/client-management-solutions.html#tab=manageability-tools.
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  5 HP Managedoility integration kit not presintalled, however available for downloaded from https://jus.wwh.p.com/jus.en/solutions/client-management-solutions.html#tab=manageability-tools.
  5 HP Sure Admin requires an Intel "Yero", AMD Ryzen" Pro processor vital babase or a validation of the presintal president

- <sup>44</sup> HP Sure Start is available on select HP PCs and requires Windows 10 and higher. <sup>45</sup> HP Tamper Lock must be enabled by the customer or your administrator.
- <sup>6</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

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  \*\*I HP BIOSphere Gen6 features may vary depending on the platform and configuration.

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  \*\*I HP Biosphere Gen6 features may vary depending on the platform and pla https://www.hpdaas.com/requirements.

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