

# HP ZBook 8 G1i 16 inch Mobile Workstation PC

Step up 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, and work across multiple projects wherever you are. Stay productive with an AI workstation that delivers both performance and long-lasting battery.<sup>1</sup>**

## Upgrade to pro-level components

Say goodbye to lags and crashes with fast responsiveness. With up to an Intel® Core™ Ultra 9 CPU<sup>2</sup> with up to 13 NPU TOPS,<sup>2</sup> NVIDIA RTX™ 500 Ada Laptop GPU,<sup>3</sup> and 64GB of RAM,<sup>3</sup> open large files and run pro apps simultaneously for speedy multitasking.

## Work all day. Anywhere.

The most mobile ZBook, now redesigned, is made to move. With a long-lasting battery<sup>1</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

Speed up AI inferencing on the HP ZBook 8, with up to NVIDIA RTX™ 500 Ada Laptop GPU<sup>3</sup> delivering up to 154 AI TOPS for AI workflows. Focus on the work that matters and enable productivity without diverting resources from your most demanding work.

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

At HP, we care about the impact our products have on our people, communities, and the planet. That's why this device is EPEAT® Gold registered<sup>4</sup> and the outer box packaging is 100% sustainably sourced.<sup>5</sup>



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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>6,7</sup>

## Intel® Core™ Ultra Processor

Unleash power-efficient performance with up to an Intel® Core™ Ultra 9 CPU. This CPU not only unlocks performance for the next era of AI-enhanced software, but the dedicated NPU\* greatly increases efficiency for productivity tasks.<sup>2</sup>

## NVIDIA® Graphics

Tackle your biggest projects with an optional NVIDIA RTX™ 500 Ada Laptop GPU; certified for pro apps.<sup>3</sup>

## Large Memory Configurations

Power through projects with up to 64 GB RAM for fast editing and design.<sup>3</sup>

## Lightning-fast Storage

Blitz through multiple tasks and ditch external drives with up to 2 TB local NVMe storage.<sup>8</sup>

## 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>9</sup>

## OLED Display

With an optional OLED display, the technology lights each pixel separately so you'll get deeper blacks for richer contrast and enhanced color depth than traditional LED screens.<sup>3</sup>

## 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.<sup>10,11</sup>

## 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>12</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>13</sup>



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## Specifications Table

<b>Available Operating Systems</b>	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>
<b>Processor family<sup>2,6</sup></b>	Intel® Core™ Ultra 9 processor; Intel® Core™ Ultra 7 processor; Intel® Core™ Ultra 5 processor
<b>Available Processors<sup>2,3,4,6</sup></b>	Intel® Core™ Ultra 7 265H (up to 2.5 GHz E-core Max Turbo frequency, up to 4.5 GHz E-core Max Turbo frequency, up to 5.3 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores, 2 LP E-cores and 8 E-cores, 16 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 7 265U (up to 2.4 GHz LP E-core Max Turbo frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 5.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Graphics and Intel® AI Boost (12 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 7 255H (up to 2.5 GHz LP E-core Max Turbo frequency, up to 4.4 GHz E-core Max Turbo frequency, up to 5.1 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores, 2 LP E-cores and 8 E-cores, 16 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS) Intel® Core™ Ultra 7 255U (up to 2.4 GHz LP E-core Max Turbo frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 5.2 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Graphics and Intel® AI Boost (12 NPU TOPS) Intel® Core™ Ultra 5 235U (up to 2.5 GHz LP E-core Max Turbo frequency, up to 4.4 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 18 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS) Intel® Core™ Ultra 5 225U (up to 2.4 GHz LP E-core Max Turbo frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Graphics and Intel® AI Boost (12 NPU TOPS) Intel® Core™ Ultra 5 235U (up to 2.4 GHz LP E-core Max Turbo frequency, up to 4.1 GHz E-core Max Turbo frequency, up to 4.9 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Arc™ Graphics and Intel® AI Boost (12 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 225H (up to 2.5 GHz LP E-core Max Turbo frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 4.9 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores, 2 LP E-cores and 8 E-cores, 14 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS) Intel® Core™ Ultra 9 285H (up to 2.5 GHz LP E-core Max Turbo frequency, up to 4.5 GHz E-core Max Turbo frequency, up to 5.4 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores, 2 LP E-cores and 8 E-cores, 16 threads) with Intel® Arc™ Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology
<b>Neural Processing Unit</b>	Intel® AI Boost
<b>Chipset</b>	Intel® integrated SoC
<b>Product colour</b>	Meteor silver
<b>Maximum memory</b>	64 GB DDR5-5600 MT/s non-ECC <sup>7</sup> Transfer rates up to 5600 MT/s.
<b>Memory slots</b>	2 SODIMM; supports dual channel <sup>8</sup>
<b>Internal storage</b>	512 GB up to 2 TB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SSD <sup>11</sup> up to 512 GB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SED OPAL 2 SSD <sup>11</sup> 256 GB up to 1 TB PCIe® Gen4 x4 NVMe™ M.2 2280 SSD <sup>11</sup>
<b>Display size (diagonal)</b>	16"
<b>Display size (diagonal, metric)</b>	40.6 cm (16")
<b>Display</b>	16" diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, 300 nits, 62.5% sRGB 16" diagonal, WUXGA (1920 x 1200), touch, UWVA, anti-glare, 300 nits, 62.5% sRGB 16" diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, Low Blue Light, 400 nits, 100% sRGB 16" diagonal, (2560 x 1600), 120 Hz, UWVA, anti-glare, Low Blue Light, 400 nits, 100% DCI-P3 16" diagonal, WQXGA (3840 x 2400), 120 Hz, anti-glare, 500 nits, 100% DCI-P3, HP DreamColor 16" diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, Low Blue Light, 800 nits, sRGB 100%, HP Sure View integrated privacy screen 40.6 cm (16") diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, 300 nits, 62.5% sRGB 40.6 cm (16") diagonal, WUXGA (1920 x 1200), touch, UWVA, anti-glare, 300 nits, 62.5% sRGB 40.6 cm (16") diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, Low Blue Light, 400 nits, 100% sRGB 40.6 cm (16") diagonal, (2560 x 1600), 120 Hz, UWVA, anti-glare, Low Blue Light, 400 nits, 100% DCI-P3 40.6 cm (16") diagonal, WQXGA (3840 x 2400), 120 Hz, anti-glare, 500 nits, 100% DCI-P3, HP DreamColor 40.6 cm (16") diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, Low Blue Light, 800 nits, sRGB 100%, HP Sure View integrated privacy screen
<b>Available Graphics</b>	Integrated: Intel® Graphics Intel® Arc™ 140T GPU (8 GB) Intel® Arc™ 130T GPU (8 GB) <sup>20,21</sup> Discrete: NVIDIA RTX™ 500 Ada Generation Laptop GPU (4 GB GDDR6 dedicated) <sup>23</sup> (Discrete graphics options planned to be available at a later date and require factory configuration at the time of hardware purchase.)
<b>Audio</b>	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
<b>Memory card device</b>	1 smart card reader (select models)
<b>Ports and connectors</b>	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</sup> ; Right side: 1 security lock slot; 1 RJ-45 Ethernet port; 1 USB Type-A 5Gbps signaling rate (powered); 1 USB Type-C® 20Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4) ; Optional Ports: 1 External Nano SIM slot for WWAN



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## Specifications Table

<b>Keyboard</b>	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys
<b>Mouse</b>	Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad with gesture support
<b>Communications</b>	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, vPro®; Intel® Wi-Fi 7 BE201 (2x2) and Bluetooth® 5.4 wireless card, non-vPro® <sup>16,17</sup> ; WWAN: HP 4000 4G LTE Advanced Pro; HP 5000 5G Solution <sup>15,18</sup> ; LPWAN: Qualcomm® 9205 LTE Cat-M1 Modem <sup>19</sup>
<b>Camera</b>	IR Camera (optional); 5 MP camera
<b>Software</b>	Buy Microsoft Office (sold separately); Copilot in Windows with Copilot key <sup>54</sup> ; HP Connection Optimizer <sup>59</sup> ; HP Hotkey support; HP MAC Address Manager; HP Notifications; HP UEFI BIOS Certification level 2.7B; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan <sup>40</sup> ; HP Smart Support <sup>55</sup> ; HP 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
<b>Security management</b>	HP Sure Admin; HP Sure Click <sup>34</sup> ; HP Sure Recover; 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>50</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
<b>Security Software Licenses</b>	HP Wolf Pro Security Edition <sup>56</sup>
<b>Fingerprint reader</b>	Fingerprint reader (select models)
<b>Management features</b>	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>
<b>Power</b>	HP Smart 65 W External AC USB Type-C® power adapter; HP Smart 100 W External AC USB Type-C® power adapter; HP Smart 140 W External AC USB Type-C® power adapter <sup>5</sup>
<b>Battery type</b>	HP Long Life 3-cell, 62 Wh Li-ion polymer; HP Long Life 8-cell, 77 Wh Li-ion polymer <sup>41</sup>
<b>Battery recharge time</b>	Supports battery fast charge: approximately 50% in 30 minutes <sup>43</sup>
<b>Dimensions</b>	14.13 x 9.84 x .76 in; 35.9 x 25 x 1.92 cm; (Dimensions vary by configuration); 19.84 x 12.01 x 2.48 in; 504 x 305 x 63 mm (Package)
<b>Weight</b>	Starting at 3.79 lb; Starting at 1.72 kg; (Weight varies by configuration and components.)
<b>Ecolabels</b>	EPEAT® registered configurations available <sup>49</sup>
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Sustainable impact specifications</b>	Low halogen; 40% post-consumer recycled plastic; 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 <sup>45,46,47,48,50</sup>



