# So powerful you'll forget it's a laptop

Tackle your most intense workflows with the ZBook Fury—offering a desktop class CPU in a laptop. With integrated or discrete graphics, a stunning display and collaboration features you can edit 8K videos, render in 3D or train machine learning models. Experience extreme pro performance—all on the move.

# Tackle multiple heavy workflows—simultaneously

Get unthrottled¹ performance with a desktop class Intel® CPU2 and up to an NVIDIA RTX™ 5000 Ada Laptop GPU. ³ With thermal technology designed to keep your PC cool you can simultaneously tackle model training and deep learning or 3D animation and VFX.

### Upgrade. Expand. Evolve

Get desktop-level storage and memory with slots for up to 128GB of RAM,<sup>4</sup> and capacity for 16TB of storage.<sup>5</sup> Expansion is simple with tool-free access to removable components, and an extensive port selection to connect to critical accessories.

#### Immerse in your work

Get complete color accuracy and 120Hz refresh rate<sup>15</sup> with an HP DreamColor display<sup>3</sup> or choose an OLED display for absolute blacks and extreme whites.<sup>3</sup> Customize your keyboard lighting and highlight shortcuts with RGB per-key LED backlighting.<sup>7</sup>



\*Product image may differ from actual product

Sustainability in action

### 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 and the outer box packaging is 100% sustainably sourced.



#### **Featuring**

#### Windows 11

Work without compromising on performance with Windows 11<sup>1</sup> combined with HP's collaboration and security technology.

#### Intel® Core™ Processor

Crank up your multi-tasking and productivity with up to Intel vPro $^{\circ}$  with Next Gen Intel $^{\circ}$  Core $^{\mathsf{M}}$  i9 processor, designed to handle complex, multithreaded apps.  $^{2.3}$ 

#### **NVIDIA®** Graphics

Tackle your biggest projects with a choice of up to NVIDIA RTX™ 5000 Ada Laptop GPU;<sup>4</sup> certified for pro apps.

#### **Lightning-Fast Storage**

Blitz through multiple tasks and ditch external drives with up to 16 TB local NVMe storage.  $^{5,6}$ 

#### **Large Memory Configurations**

Accelerate your workflow. Power through projects with up to 128 GB RAM<sup>7</sup> for fast rendering, editing and visual effects performance.

#### **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.  $^{4,9}$ 

#### Z Light Space

With Z Light Space software, <sup>10</sup> customize your keyboard lighting with the RGB per-key LED backlighting. <sup>11</sup> For commonly used software apps, like Adobe Photoshop, AutoCAD or SOLIDWORKS, <sup>12</sup> use pre-loaded color-maps or create your own.

#### **HP Vaporforce Thermals**

Keep cool under any workload with HP Vaporforce Thermals, <sup>13</sup> with curved metal blades, that protect your workstation from overheating, so you can cut through your heaviest workloads with peak processing power.

#### 16:10 Aspect Ratio

The 16:10 aspect ratio <sup>9</sup> reduces the need to scroll by showing 11% more vertical content than a 16:9 aspect ratio display. See more of your project without minimizing program menus or toolbars.

#### **Easy Battery Management**

Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.<sup>15</sup>

#### **HP Fast Charge**

Long battery life gets you through a day of meetings without plugging in. Quickly recharge your PC with HP Fast Charge. You'll get up to 50% battery life in just 30 minutes of charging. 16

#### **Battery life**

When you're away from the office, this sleek, ultralight PC is ready every step of the way. With long battery life, you can work on complex projects from almost anywhere.



## **Technical specifications**

Available Operating Systems	Windows 11 Pro <sup>1</sup> Windows 11 Home - HP recommends Windows 11 Pro for business <sup>1</sup> Ubuntu 22.04 LTS FreeDOS 3.0
Processor family <sup>3,4,5,19,25</sup>	13th Generation Intel® Core™ i9 processor 13th Generation Intel® Core™ i7 processor 13th Generation Intel® Core™ i5 processor Intel® Core™ i7 14th generation processor Intel® Core™ i9 14th generation processor
Available Processors <sup>3,4,5,19,25</sup>	Intel® Core™ I9-13950HX with Intel® UHD Graphics (1.6 GHz E-core base frequency, 2.2 GHz P-core base frequency, up to 4.0 GHz E-core Max Turbo frequency, up to 5.5 GHz P-core Max Turbo frequency, 36 MB L3 cache, 8 P-cores and 16 E-cores, 32 threads), supports Intel® vPro® Technology Intel® Core™ I7-13850HX with Intel® UHD Graphics (1.5 GHz E-core base frequency, 2.1 GHz P-core base frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 5.3 GHz P-core Max Turbo frequency, 30 MB L3 cache, 8 P-cores and 12 E-cores, 28 threads), supports Intel® vPro® Technology Intel® core™ I5-13600HX with Intel® UHD Graphics (1.9 GHz E-core base frequency, 2.6 GHz P-core base frequency, up to 3.6 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, 20 threads), supports Intel® vPro® Technology Intel® Core™ I9-14900HX with Intel® UHD Graphics (1.6 GHz E-core base frequency, 2.2 GHz P-core base frequency, up to 4.1 GHz E-core Max Turbo frequency, up to 5.8 GHz P-core Max Turbo frequency, 36 MB L3 cache, 8 P-cores and 16 E-cores, 32 threads) Intel® Core™ I7-14700HX with Intel® UHD Graphics (1.5 GHz E-core base frequency, 2.1 GHz P-core base frequency, up to 3.9 GHz E-core Max Turbo frequency, up to 5.5 GHz P-core Max Turbo frequency, 33 MB L3 cache, 8 P-cores and 12 E-cores, 24 threads)
Chipset	Intel® WM790
Maximum memory	128 GB DDR5-5600 ECC SODIMM; 128 GB DDR5-5600 non-ECC SODIMM; <sup>7</sup> Transfer rates up to 4000 MT/s.
Memory slots	4 SODIMM; supports dual channel <sup>8,9,10</sup>
Internal storage	512 GB up to 4 TB PCle® Gen4 x4 NVMe™ M.2 SSD <sup>11</sup> 512 GB up to 2 TB PCle® NVMe™ M.2 SED SSD <sup>11</sup>
Display size (diagonal, metric)	40.6 cm (16")
Display <sup>21,23,32,39</sup>	40.6 cm (16") diagonal, WQUXGA (3840 x 2400), OLED, touch, BrightView, eDP + PSR, micro-edge, Low Blue Light,400 nits, 100% DCI-P3; 40.6 cm (16") diagonal, WQUXGA (3840 x 2400), 120 Hz, IPS, anti-glare, eDP + PSR, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 400 nits, 100% sRGB; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 1000 nits, 100% sRGB, HP Sure View integrated privacy screen; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, touch, BrightView, eDP + PSR, micro-edge, 400 nits, 100% sRGB
Available Graphics	Integrated: Intel® UHD Graphics Discrete: NVIDIA RTX™ 5000 Ada Generation Laptop GPU (16 GB GDDR6 dedicated); NVIDIA RTX™ 4000 Ada Generation Laptop GPU (12 GB GDDR6 dedicated); NVIDIA RTX™ 3500 Ada Generation Laptop GPU (12 GB GDDR6 dedicated; NVIDIA RTX™ 2000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated); NVIDIA RTX™ 1000 Ada Generation Laptop GPU (6 GB GDDR6 dedicated) (Discrete graphics options planned to be available at a later date and require factory configuration at the time of hardware purchase.)
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 45
Ports and connectors	Right side: 1 RJ-45; 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-A 5Gbps signaling rate;  Left side: 1 power connector; 2 Thunderbolt™ 4 with USB4™ Type-C° 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 HDMI 2.1; 1 Mini DisplayPort™ 1.4a <sup>6,15,24,48,57</sup>
Input devices	HP Premium Quiet Keyboard, spill-resistant, full-size, backlit, keyboard with a Programmable Key and numeric keypad; HP RGB Keyboard - Full-size, per-key RGB backlit keyboard; Extra large, QuietKey, 3-button touchpad
Communications	LAN: Intel® 1219-LM GbE, vPro®; Intel® 1219-V PCIe® GbE NIC, non-vPro® <sup>44</sup> ; WLAN: Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, vPro®; Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro® <sup>46</sup> ; WWAN: HP 4000 4G LTE Advanced Pro; HP 5000 5G Solution <sup>14</sup> ; LPWAN: Qualcomm® 9205 LTE Cat-M1 Modem <sup>52</sup> ; NFC: NFC; NFC; NFC Mirage WNC XRAV-1 <sup>13</sup>
Camera	5MP IR Camera <sup>17,18</sup>
Software	Bing Search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Recovery Manager; HP Support Assistant <sup>35</sup> ; HP JumpStart; HP Native Miracast Support <sup>28</sup> ; HP Connection Optimizer <sup>36</sup> ; Adobe® Creative Cloud; HP Cloud Recovery <sup>26,29</sup> ; HP Admin; HP Privacy Settings; HP Data Science Stack <sup>33</sup> ; HP Easy Clean <sup>59</sup> ; HP PC Hardware Diagnostics; HP Services Scan <sup>12</sup> ; Buy Office; Battery Health Manager <sup>60</sup>
Available software	HP Smart Support <sup>43</sup>
Security management	Absolute persistence module <sup>3140</sup> ; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Preboot authentication; HP Sure Click <sup>27</sup> ; Windows Defender; HP Secure Erase <sup>47</sup> ; HP Manageability Integration Kit <sup>30</sup> ; HP Sure Sense <sup>50</sup> ; HP Secure Platform; HP Sure Recover Gen3 <sup>49</sup> ; HP BIOSphere Gen6 <sup>22</sup> ; HP Sure Start Gen6 <sup>38</sup> ; HP Sure Run Gen3 <sup>51</sup> ; Nano Security Lock Slot <sup>34</sup> ; HP Client Security Suite Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core; Camera privacy shutter
Security Software Licenses	HP Wolf Pro Security Edition <sup>56</sup>
Fingerprint reader	Fingerprint sensor (select models)



### **Technical specifications**



#### **Footnotes**

#### **Messaging Footnotes**

\*\*Nessaging Frootrootes\*\*

\*\*Unthrotted in Best Performance Mode and when plugged in.

\*\*Pullithorar 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.

\*\*Optional feature that must be configured at purchase.

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\*\*For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. TB = 1 trillion bytes should formatted capacity is less. Up to 35GB (for Windows) is reserved for system recovery software. Optional, configurable feature.

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\*\*Post storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB (for Windows) is reserved for system recovery software. Optional, configurable feature.

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Intel vPro" requires Windows 10 Pro 64 bit or 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/vpro

<sup>4</sup> Optional feature that must be configured at purchase.

For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. up to 35GB (for Windows) is reserved for system recovery software. Optional, configurable feature.

<sup>7</sup>Up to 646B memory is an optional, configurable feature.
<sup>9</sup>All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower

10 Z Light Space requires Windows 10 or higher. 11 RGB keyboard is an optional, configurable feature. Available only in the US, UK, Germany and France only.

<sup>12</sup> Software sold separately.
<sup>13</sup> The HP custom vapor chamber (Z VaporForce) is only available on configurations with NVIDIA RTX™ 3000 Ada Generation Laptop GPU and higher GFX.

#### **Specification Footnotes**

In total fleatures are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ESP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

3. 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. Intels numbering, branding and/or naming is not a measurement of higher performance.

4. Intel® Turbo Boost per formance varies depending on hardware, software and weard ill system configuration. See www.intel.com/technology/turboboost for more information.

5. Incoordinace with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 drivers on http://www.support.hp.com

4. Intel® Turbo Boost per formance varies depending on hardware, software and wearding systems of windows 7 drivers on http://www.support.hp.com

5. House to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

5. Maximized dud-channel performance requires SODIMMs of the same size and speed in both memory channels.

6. Intel® 1. Intel

The Manage and monitor your bottlery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.

Hence and HD content required to view HD Images respectively.

HO Who Med Hello face authentication utilizes a commera specially configured for near infrared (IR) imaging to authenticate and unlock Windows devices as well as unlock your Microsoft Passport.

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

To SU wower adapter is configurable with Intel UMA graphics. 200 W power adapter is configurable with NVIDIA RTX A1000 and RTX A2000 configurations. 230 W power adapter is configurable with NVIDIA RTX A3000 or higher.

The BIOIS phere Gen6 features may vary depending on the platform and configuration.

<sup>23</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings. <sup>24</sup> SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.

25 Intel vPro\* requires Windows 10 Pro 64 bit or 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

F HP Cloud Recovery is available for HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired 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/document/c05115630.

27 HP Sure Click requires Windows 11 Pro or higher. See https://bit.hy/2PrIT6A\_SureClick for complete details.

28 Mirracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Mirracast. You can use Mirracast to share what you're doing on your PC and present a slide show. For more information: http://windows.microsoft.com/en-us/windows/plroject-wireless-screen-mirracast.

<sup>29</sup> Available on select HP PCs with Windows 11 and Intel processors. <sup>30</sup> HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement

31 Absolute Persistence Module: Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply, For full details visit http://www.absolute.com/company/legal/agreements/ computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use

the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecuriD tokens from Absolute Software.

22 Actual brightness will be lower with HP Sure View or touch-screen.

33 Data Science Stack is available on select SKUs only.
34 Security lock for security slot is sold separately.
35 HP Support Assistant requires Windows and Internet access

36 HP Connection Optimizer requires Windows 10.
37 Battery is internal and not replaceable by customer. Serviceable by warranty, Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year warranty as the platform.

<sup>38</sup> HP Sure Start Gen6 is available on select HP PCs.
<sup>39</sup> HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

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\*\*External power supplies, WWAN modules, power cords, cobles and peripherals excluded. Service parts obtained after purchase may not be Low Hologen.

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\*\*External power supplies, WWAN modules, power cords, cobles and peripherals excluded. Service parts obtained and enriel PP commercial devices, and in the PI hosights agent to oblect information related to the Device. For HP commercial Gen 10 and higher devices, HP Services Scan is provided thru Windows Update 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. To disable this feature, please follow the instructions of the Italy-inwww.hpdacos.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. HP follows stringent GDPR privacy regulations and is Signal Sport of Sport Provided For Information Security, Internal cocess with connection to portal is required. For Insights platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringe

19 HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

10 HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.

9 HP Sure Sense is available on select HP PCs and is not available with Windows 10 or 1P Por Tripher based HP Pro, Eith and Workstation PCs with Intel® or AMD processors.

5 For new botteries, actual bottery Worth-bours (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 should be presented as the product purchase, 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 should be presented as the product purchase, and in your order confirmation email. The HP Wolf Pro Security Edition is available presented earlier pursuant to the terms of the HP Wolf Pro Security Edition is effective upon a months after the date the HP Product purchase and in your order confirmation email. The HP Wolf Pro Security Edition is effective upon a months after the date the HP Product was shipped by HP and will continue for the term communicated to you at purchase and in your order confirmation email ("Initial Term"). At the end of the initial Term you may either (a) purchase are renewal license for the HP Wolf Pro Security Edition from HP-com. HP Scales or an HP Channel Purcher, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support. Notwithstanding the foregoing, the license shall expire no later the fixed term of the subject Click ense ends.

9 Thunderbolt\* 4 and USB4\* maximum speed of 40Gbps will be divided between the different data workstreams.

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