

# HP ZBook Fury 16 G10 Mobile Workstation PC

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 a desktop class Intel® CPU<sup>1</sup> for unthrottled performance.<sup>2</sup> With up to an NVIDIA RTX™ 5000 Ada Laptop GPU<sup>3</sup> and thermals designed to keep your PC cool, you can simultaneously tackle model training and deep learning or 3D animation and visual effects.

## **Upgrade. Expand. Evolve**

Get desktop-level storage and memory with slots for up to 128GB of RAM,<sup>4</sup> and capacity for 12TB of storage.<sup>4,5</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 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>6</sup>

## **Create. Communicate. Collaborate**

Collaborate on your most intense projects wherever you go. The AI enhanced auto-framing 5MP camera,<sup>7</sup> AI Noise Suppression software<sup>8</sup> to block background noises and Wi-Fi 6E<sup>9</sup> or 5G options<sup>10</sup> let you seamlessly connect from almost anywhere.



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## Windows 11

Work anywhere without compromising on performance or security with Windows 11<sup>11</sup> powered by HP's collaboration and connectivity technology.

## Intel® Core™ Processor

Crank up your multi-tasking and productivity with up to Intel vPro® with 13th Gen Intel® Core™ i9 processor, designed to handle complex, multithreaded apps.<sup>2,12</sup>

## NVIDIA Graphics

Tackle your biggest projects with a choice of up to NVIDIA RTX™ 5000 Ada Laptop GPU,<sup>3</sup> certified for pro apps.

## Lightning-Fast Storage

Blitz through multiple tasks and ditch external drives with up to 12 TB local NVMe storage<sup>4,5</sup>

## Large Memory Configurations

Accelerate your workflow. Power through projects with up to 128 GB RAM<sup>13</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.<sup>3</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.<sup>14</sup>

## Z Light Space

With Z Light Space software,<sup>15</sup> customize your keyboard lighting with the RGB per-key LED backlighting.<sup>16</sup> For commonly used software apps, like Adobe Photoshop, AutoCAD or SOLIDWORKS,<sup>17</sup> use pre-loaded color-maps or create your own.

## Vaporforce Thermals

Keep cool under any workload with HP Vaporforce Thermals,<sup>18</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 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.

## HP Context Aware

HP Context Aware provides AI based optimization to maximize performance when you're working at a table, comfort when you're working from your lap, and responsiveness when you're working on the go.<sup>19</sup>

## 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>20</sup>



# HP ZBook Fury 16 G10 Mobile Workstation PC

## Specifications Table

<b>Available Operating Systems</b>	Windows 11 Pro <sup>1</sup> Windows 11 Home – HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade) <sup>1,2</sup> Ubuntu 22.04 LTS FreeDOS 3.0
<b>Processor family</b> <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
<b>Available Processors</b> <sup>3,4,5,19,25</sup>	Intel® Core™ i7-13700HX with Intel® UHD Graphics (1.5 GHz E-core base frequency, 2.1 GHz P-core base frequency, up to 3.7 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 30 MB L3 cache, 8 P-cores and 8 E-cores, 24 threads) 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
<b>Chipset</b>	Intel® WM790
<b>Maximum memory</b>	128 GB DDR5-4800 ECC SODIMM; 128 GB DDR5-5600 non-ECC SODIMM <sup>7</sup> Transfer rates up to 4000 MT/s.
<b>Memory slots</b>	4 SODIMM; supports dual channel <sup>8,9,10</sup>
<b>Internal storage</b>	512 GB up to 4 TB PCIe® Gen4 x4 NVMe™ M.2 SSD <sup>11</sup> 512 GB up to 2 TB PCIe® NVMe™ M.2 SED SSD <sup>11</sup>
<b>Maximum storage capacity</b>	Up to 12 TB
<b>Display size (diagonal)</b>	15.6"; 16"
<b>Display size (diagonal, metric)</b>	39.6 cm (15.6"); 40.6 cm (16")
<b>Display</b> <sup>21,23,32</sup>	
<b>Available Graphics</b>	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™ A1000 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.)
<b>Audio</b>	Audio by Bang & Olufsen, dual stereo speakers with discrete amps, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 200Hz Bass Roll off <sup>45</sup>
<b>Memory card device</b> <sup>58</sup>	1 SD 7.1 media card reader (select models)
<b>Ports and connectors</b>	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>



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<b>Keyboard</b>	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
<b>Mouse</b>	Extra large, QuietKey, 3-button touchpad
<b>Communications</b>	LAN: Intel® I219-LM GbE, vPro®; Intel® I219-V GbE, non-vPro® <sup>44</sup> ; 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®; WWAN: Intel® XMM™ 7560 LTE Advanced Pro Cat 16; Intel® 5G Solution 5000 <sup>14,54</sup> ;
<b>Camera</b>	5MP IR Camera <sup>17,18</sup>
<b>Software</b>	Bing search for IE11 HP Hotkey Support HP Noise Cancellation Software HP Recovery Manager HP Support Assistant HP JumpStart Native Miracast support HP Connection Optimizer Adobe® Creative Cloud HP Cloud Recovery HP Admin myHP HP Privacy Settings Data Science Stack HP Easy Clean HP PC Hardware Diagnostics HP Services Scan Microsoft 365 and Office (sold separately and Internet access required for activation) HP Presence <sup>12,26,28,29,35,36,52,59</sup> Battery Health Manager <sup>60</sup>
<b>Available software</b>	HP Smart Support <sup>43</sup>
<b>Security management</b>	HP Device Access Manager; HP Power On Authentication; HP Security Manager; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Run Gen3; Nano Security Lock Slot; HP Client Security Suite Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core; Camera privacy shutter; HP Privacy Key <sup>22,27,30,31,34,38,40,46,47,49,50,51</sup> ; HP Tamper Lock (select models)
<b>Security Software Licenses</b>	HP Wolf Pro Security Edition <sup>56</sup>
<b>Fingerprint reader</b>	Fingerprint sensor (select models)
<b>Management features</b>	HP Power Manager <sup>16</sup>
<b>Power</b>	HP Slim Smart 150 W External AC power adapter; HP Slim Smart 200 W External AC power adapter; HP Slim Smart 230 W External AC power adapter <sup>20</sup>
<b>Battery type</b>	HP Long Life 8-cell, 95 Wh Li-ion polymer <sup>37,39,53</sup>
<b>Dimensions</b>	36.3 x 25.06 x 2.86 cm (WLAN); 36.3 x 25.06 x 2.77 cm (WWAN); 552 x 69 x 345 mm (Package)
<b>Weight</b>	Starting at 2.4 kg
<b>Ecolabels</b>	EPEAT® registered configurations available <sup>41</sup>
<b>Sustainable impact specifications</b>	Low Halogen <sup>42</sup>
<b>Warranty</b>	1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.



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## Messaging Footnotes

<sup>1</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.

<sup>2</sup> Unthrottled in Best Performance Mode and when plugged in.

<sup>3</sup> Optional feature that must be configured at purchase.

<sup>4</sup> Optional, configurable feature.

<sup>5</sup> 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.

<sup>6</sup> RGB keyboard is an optional feature that must be configured at purchase. Available in the US, UK, Germany and France only.

<sup>7</sup> Requires the myHP application and Windows OS.

<sup>8</sup> AI Noise Suppression is delivered automatically through Windows update or can be downloaded from <https://support.hp.com/us-en/drivers>. Requires Windows 10 or higher, compatible with internal PC speakers, microphone and analog headsets. The AI Noise Suppression setting can be configured through the Application HP Audio Control.

<sup>9</sup> Wi-Fi 6E is an optional feature that must be configured at purchase. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, 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.

<sup>10</sup> HP 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100MHz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

<sup>21</sup> NVIDIA RTX™ 2000 Ada Laptop GPU or higher GPU required for 3D rendering.

<sup>11</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 is automatically updated and 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>12</sup> 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>13</sup> Up to 64GB memory is an optional, configurable feature.

<sup>14</sup> Recharges your battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

<sup>15</sup> Z Light Stage requires Windows 10 or higher.

<sup>16</sup> RGB keyboard is an optional, configurable feature. Available only in the US, UK, Germany and France only.

<sup>17</sup> Software sold separately.

<sup>18</sup> The HP custom vapor chamber (HP Vaporforce) is only available on configurations with NVIDIA RTX™ A3000 Laptop GPU and higher GFX.

<sup>19</sup> HP Context Aware requires Windows 10 or higher and an Intel processor.

<sup>20</sup> HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store.

## Technical Specifications 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 is automatically updated and 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> This system is preinstalled with Windows 10 Pro software and also comes with a license for Windows 11 Pro software and provision for recovery software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

<sup>3</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.

<sup>4</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See [www.intel.com/technology/turboboost](http://www.intel.com/technology/turboboost) for more information.

<sup>5</sup> In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>

<sup>6</sup> HDMI port-cable not included.

<sup>7</sup> Due 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.

<sup>8</sup> Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory channels.

<sup>9</sup> Intel® allows architectures designed with four DIMM slots to run up to 2400 MT/s.

<sup>10</sup> Maximum memory capacities assume Windows 64-bit operating systems. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

<sup>11</sup> 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.

<sup>12</sup> HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements>. Not applicable in China.

<sup>13</sup> Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, 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.

<sup>14</sup> vPro requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.

<sup>15</sup> Mini DisplayPort 1.4 with discrete, 1.2 with UMA.

<sup>16</sup> Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.

<sup>17</sup> eHD and HD content required to view HD images respectively.

<sup>18</sup> Windows Hello face authentication utilizes a camera specially configured for near infrared (IR) imaging to authenticate and unlock Windows devices as well as unlock your Microsoft Passport.

<sup>19</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

<sup>20</sup> 150 W power 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.

<sup>21</sup> UHD content required to view UHD images.

<sup>22</sup> HP BIOSphere 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.

<sup>25</sup> 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>26</sup> 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>.

<sup>27</sup> HP Sure Click requires Windows 10 or 11 Pro or higher. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.

<sup>28</sup> Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>.

<sup>29</sup> Available on select HP PCs with Windows 10 and higher and Intel processors.

<sup>30</sup> HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>

<sup>31</sup> 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.

<sup>32</sup> Actual brightness will be lower with HP Sure View or touch-screen.

<sup>33</sup> Data Science Stack is available on select SKUs only.

<sup>34</sup> Security lock for security slot is sold separately.

<sup>35</sup> HP Support Assistant requires Windows and Internet access.

<sup>36</sup> HP Connection Optimizer requires Windows 10.

<sup>37</sup> 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 Fast Charge recharges up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

<sup>40</sup> HP Tamper Lock not supported on Ubuntu OS.

<sup>41</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.

<sup>42</sup> External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.

<sup>43</sup> HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit <http://www.hp.com/smart-support>.

<sup>44</sup> GbE - The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

<sup>45</sup> Dual-microphone array when equipped with optional webcam and optional world facing microphone.

<sup>46</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.

<sup>47</sup> For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

<sup>48</sup> HDMI 2.0b with discrete, 1.4 with UMA.

<sup>49</sup> 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.

<sup>50</sup> HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.

<sup>51</sup> HP Sure Run Gen3 is available on select Windows 10 or 11 Pro or higher based HP Pro, Elite and Workstation PCs with Intel® or AMD processors.

<sup>52</sup> Select HP Products are enhanced with HP Presence. Features vary by platform. HP conferencing features require Windows and the latest myHP app, available over the air or for download via sofpaq on the HP Support website. Planned availability in spring 2023.

<sup>53</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>54</sup> HP 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100MHz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

<sup>56</sup> HP Wolf Pro Security Edition is available preloaded on select SKUs, and, depending on the HP product purchased, includes a license with a term length communicated to you at purchase and in your order confirmation email. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at: [https://support.hp.com/us-en/document/ish\\_3875769-3873014-16](https://support.hp.com/us-en/document/ish_3875769-3873014-16) as that EULA is modified by the following: 7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition is effective upon 4 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 a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, 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 than one year after the fixed term of the subject license ends.

<sup>57</sup> Thunderbolt™ 4 and USB4™ maximum speed of 40Gbps will be divided between the different data workstreams.

<sup>58</sup> MicroSD 7.1 media reader supports SD 4.0 cards at SD 3.0 speeds with any SD 7.0 host. SD 7.0 card availability is expected later in 2022.

<sup>59</sup> HP 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.

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