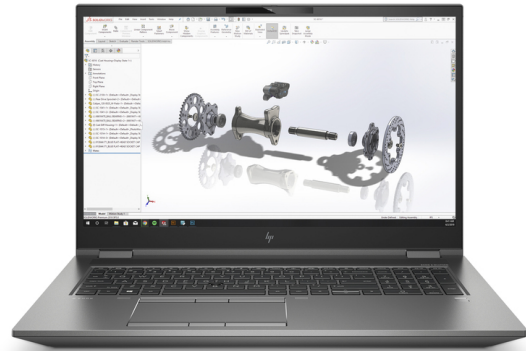




# HP ZBook Fury 17 G7 Mobile Workstation

Ultimate Z performance just got more portable

HP's thinnest and most powerful 17" performance mobile workstation packs the relentless power of our ultimate Zbook into a dramatically smaller design. Create, render, edit, and simulate with ease. Visualize complex datasets in the field. Incredible performance has never been so portable.



\*Product image may differ from actual product

HP recommends Windows 10 Pro for business

## Unleash the unthrottled power of Z

- For the first time, get simultaneous, unthrottled performance from the latest Intel® CPUs and NVIDIA Quadro® RTX 4000 or 5000 GPUs. Ray trace in the background while working on your next design—This PC thrives on heavy, multi-app workflows.<sup>1</sup>

## Built to perform in the field.

- At 29% smaller than last gen with even more power, our flagship ZBook delivers extreme performance on the go<sup>2</sup>. And, noise canceling microphones make collaboration easy from anywhere.

## HP's most expandable 17" mobile workstation

- Get desktop-level storage and memory with slots for up to 128GB of RAM, and capacity for a 8TB hard drive<sup>3</sup>. Expansion and servicing are simple with tool-free access to removable components and an extensive port selection for critical accessories.
- Work anywhere without compromising on performance or security with Windows 10 Pro, powered by HP's collaboration and connectivity technology.<sup>6</sup>
- Accelerate your workflow. Power through projects with up to 128 GB RAM for fast rendering, editing and visual effects performance.<sup>7</sup>
- Take multitasking to the next level with the Intel® Core™ i9 processor designed to handle complex, multithreaded apps like Adobe® Premier Pro, and with fast clock speeds you can boost your speed on single threaded apps like Autodesk 3ds Max.<sup>8,9</sup>
- Run demanding professional apps with the newest generation Intel® Xeon® processors for powerful performance and productivity.<sup>10</sup>
- Experience high-end visualization and seamlessly render your biggest projects with the next generation NVIDIA® Turing architecture with Quadro® T-Series and RTX graphics; Certified and supported for the apps you use every day.
- Strenuously tested to meet software certification and deliver superb performance with leading software providers, including Autodesk and Adobe®.
- Blitz through multiple tasks and ditch external drives with up to 8TB local PCIe NVMe storage - up to 21x faster than standard HDD and 6x faster than SATA SSD.<sup>11,12,13</sup>
- Defend against firmware and malware attacks with HP Sure Start and Sure Sense, and have confidence with multi-factor authentication- including an infrared camera and fingerprint reader.<sup>14</sup>
- Enhanced transfer and upload speeds via dual Thunderbolt™ 3 ports. Get wide-ranging connectivity options to ensure maximum device interaction: USB 3.0, HDMI, mDP, SD card, Smart Card Reader and more.
- Designed for ultimate durability, this ZBook undergoes brutal MIL-STD 810H tests to help ensure this PC keeps rolling through your workday.<sup>15</sup>
- Plug in to greater connectivity at your desktop with the HP Thunderbolt Dock for lightning-fast Thunderbolt™ 3 transfers and the flexibility to run up to two external 4K displays.<sup>16</sup>
- Improve connectivity while on Wi-Fi® with HP Extended Range Wireless LAN that allows greater distance from transmission point and fast data throughput at shorter ranges.<sup>17</sup>

## HP ZBook Fury 17 G7 Mobile Workstation Specifications Table



\*Product image may differ from actual product

Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business <sup>1,44</sup> Windows 10 Pro for Workstations 64 <sup>1,44</sup> Windows 10 Home 64 <sup>1,44</sup> Windows 10 Home Single Language 64 <sup>1,44</sup> Windows 10 China Government Edition <sup>1,44</sup> FreeDOS 3.0 Red Hat® Enterprise Linux® 8 - Web support only <sup>13</sup>
Processor family <sup>2,3,4,5,25</sup>	10th Generation Intel® Core™ i5 processor; 10th Generation Intel® Core™ i7 processor; 10th Generation Intel® Core™ i9 processor; 10th Generation Intel® Xeon® processor
Available Processors <sup>2,3,4,5,16,25</sup>	Intel® Core™ i5-10300H with Intel® UHD Graphics (2.5 GHz base frequency, up to 4.5 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores) Intel® Core™ i7-10750H with Intel® UHD Graphics (2.6 GHz base frequency, up to 5.0 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores) Intel® Core™ i5-10400H with Intel® UHD Graphics (2.6 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores), supports Intel® vPro® Technology Intel® Core™ i7-10850H with Intel® UHD Graphics (2.7 GHz base frequency, up to 5.1 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores), supports Intel® vPro® Technology Intel® Core™ i9-10885H with Intel® UHD Graphics (2.4 GHz base frequency, up to 5.3 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores), supports Intel® vPro® Technology Intel® Xeon® W-10855M with Intel® UHD Graphics (2.8 GHz base frequency, up to 5.1 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores), supports Intel® vPro® Technology
Chipset	Intel® WM490
Display size (diagonal)	17.3"
Maximum memory	128 GB DDR4-2666 non-ECC SDRAM; 64 GB DDR4-2666 ECC SDRAM <sup>7</sup> Transfer rates up to 2666 MT/s.
Memory slots <sup>8,9,10</sup>	4 SODIMM; supports dual channel
Internal storage	256 GB up to 2 TB PCIe® NVMe™ M.2 SSD <sup>11,19</sup> 256 GB up to 512 GB PCIe® NVMe™ M.2 SED SSD <sup>11</sup> 500 GB 7200 rpm SATA FIPS 140-2 SED HDD <sup>11</sup> 500 GB up to 1 TB 7200 rpm SATA HDD <sup>11</sup> 2 TB 5400 rpm SATA HDD <sup>11</sup>
Display <sup>21,23,32</sup>	17.3" diagonal, FHD (1920 x 1080), IPS, anti-glare, 300 nits, 72% NTSC 17.3" diagonal, 4K UHD (3840 x 2160), IPS, anti-glare, 550 nits, 100% DCI-P3 17.3" diagonal, 4K UHD (3840 x 2160), IPS, 550 nits, 100% DCI-P3 17.3" diagonal, 4K UHD (3840 x 2160), touch, IPS, anti-reflection Corning® Gorilla® Glass 5, 550 nits, 100% DCI-P3
Available Graphics	Integrated: Intel® UHD Graphics <sup>16</sup> Discrete: NVIDIA® Quadro RTX™ 3000 (6 GB GDDR6 dedicated); AMD Radeon™ Pro W5500M (4 GB GDDR6 dedicated); AMD Radeon™ RX 5500M (4 GB GDDR6 dedicated); NVIDIA® Quadro® T2000 with Max-Q design (4 GB GDDR6 dedicated); NVIDIA® Quadro RTX™ 4000 with Max-Q design (8 GB GDDR6 dedicated); NVIDIA® Quadro® T1000 with Max-Q design (4 GB GDDR6 dedicated); NVIDIA® Quadro RTX™ 5000 with Max-Q design (16 GB GDDR6 dedicated) <sup>40</sup>
Audio <sup>45</sup>	Audio by Bang & Olufsen, dual stereo speakers, HP World Facing Microphone dual array digital microphone, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Expansion slots	1 smart card reader; 1 SD 4.0 media card reader
Ports and Connectors	Left side: 1 RJ-45; 1 USB 3.1 Gen 1 (charging); 2 USB 3.1 Gen 1; 1 headphone/microphone combo Right side: 1 power connector; 1 Mini DisplayPort™ 1.4; 1 HDMI 2.0b; 2 Thunderbolt™ 3 (40Gbps signaling rate) with SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) <sup>6,15,48</sup>
Available Keyboards	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with programmable key
Available Pointing Devices	Dual pointstick; Clickpad with multi-touch gestures enabled, taps enabled as default; Microsoft Precision Touchpad Default Gestures Support
Communications <sup>12,13,14,55</sup>	Optional Near Field Communication (NFC) module - WNC XR4V-1 NFC Integrated Intel® I219-LM GbE, vPro® Integrated Intel® I219-V GbE, non-vPro® Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, vPro® Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, non-vPro® Intel® XMM™ 7360 LTE Advanced
Camera <sup>17,18</sup>	HP 720p HD camera; 720p HD IR camera
Software <sup>26,28,29,35,36,39</sup>	Bing search for IE11; Buy Office; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP ZCentral Remote Boost Software; myHP
Security management <sup>22,24,27,30,31,33,34,38,46,47,49,50,51,52</sup>	Absolute persistence module; HP Power On Authentication; Security lock slot; Trusted Platform Module TPM 2.0 Embedded Security Chip; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Run Gen3; HP Sure Admin; HP Image Assistant; HP Tamper Lock; HP Client Security Manager Gen6
Fingerprint reader	Fingerprint reader (select models)
Power <sup>20</sup>	200 W UltraSlim Smart external AC power adapter; 120 W Slim Smart external AC power adapter; 150 W Slim Smart external AC power adapter
Battery type <sup>37</sup>	HP Long Life 8-cell, 94 Wh Li-ion polymer
Battery life	Up to 15 hours and 45 minutes
Dimensions	15.69 x 10.52 x 1.06 in; 39.84 x 26.71 x 2.69 cm
Weight	Starting at 6.08 lbs; Starting at 2.76 kg (Weight varies by configuration and components.)
Energy efficiency compliance <sup>41</sup>	ENERGY STAR® certified and EPEAT® 2.0 registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country.
Sustainable impact specifications <sup>42</sup>	Low halogen
Warranty	Protected by HP, including a 3 year standard limited warranty. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc

# HP ZBook Fury 17 G7 Mobile Workstation

## Messaging Footnotes

<sup>1</sup> Up to 128GB memory is an optional, configurable feature.

<sup>2</sup> When compared to HP ZBook 17 G6

<sup>3</sup> For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of disk is reserved for system recovery software.

<sup>4</sup> One-billion colors through A-FRC technology

<sup>5</sup> DreamColor display required for 1 billion colors and is an optional or add on feature.

<sup>6</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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

<sup>7</sup> Up to 128GB memory is an optional, configurable feature.

<sup>8</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>9</sup> Adobe Premier Pro and Autodesk 3ds Max sold separately.

<sup>10</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>11</sup> For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 3GB (for Windows 10) of system disk is reserved for system recovery software.

<sup>12</sup> 8TB available at launch, 10TB planned to be available Spring, 2021.

<sup>13</sup> Speed based on 8TB PCIe NVMe storage.

<sup>14</sup> Based on HP's unique and comprehensive security capabilities at no additional cost among desktop workstation vendors as of Sept. 2017 on HP Mobile Workstations with 7th Gen and higher Intel® Processors. HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability. HP Sure Sense requires Windows 10. See product specifications for availability. Infrared camera and fingerprint scanner are optional, configurable features.

<sup>15</sup> Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

<sup>16</sup> HP Thunderbolt Dock with Thunderbolt™ 3 sold separately. External displays sold separately. Optional hybrid graphics is required to run up to two external 4K displays.

<sup>17</sup> Based on internal testing vs. previous generation product with 802.11ac wireless LAN module.

## 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 10 is automatically updated, which is always enabled. 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.

<sup>3</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

<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 at 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 35 GB (for Windows 10) is reserved for system recovery software.

<sup>12</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>13</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. The specifications for Wi-Fi 6 (802.11ax WLAN) are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax WLAN devices. Only available in countries where 802.11ax is supported.

<sup>14</sup> WWAN use 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> Intel® Integrated graphics: Intel® UHD Graphics 630 integrated.

<sup>17</sup> FHD 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> 4TB PCIe Gen 3 x4 NVMe M.2 SSD TLC Option will be available by end of 2020, and requires factory configuration.

<sup>20</sup> 120 W power adapter is configurable with Intel UMA graphics. 150 W power adapter is configurable with NVIDIA Quadro T1000 and T2000 configurations. 200 W power adapter is configurable with NVIDIA Quadro RTX 3000 or higher configurations

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

<sup>22</sup> HP BIOSphere Gen6 features may vary depending on the platform and configurations.

<sup>23</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings.

<sup>24</sup> HP Client Security Manager Gen6 requires Windows and is available on select HP Elite, Pro and Workstations.

<sup>25</sup> For full Intel® vPro™ functionality, Windows 10 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd party software in order to run. 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 Pro or Enterprise. See <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> HP Performance Advisor Software - HP Performance Advisor is ready and waiting to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at:

<https://www8.hp.com/us/en/workstations/performance-advisor.html>

<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 touch-screen.

<sup>33</sup> Microsoft Defender Opt in and internet connection required for updates.

<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 Gen 6 is available on select HP PCs and workstations. See product specifications for availability.

<sup>39</sup> HP ZCentral Remote Boost does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase. With non-Z sender devices, purchase of perpetual individual license or perpetual floating license per simultaneously executing versions and purchase of ZCentral Remote Boost Software Support is required. RGS requires Windows, RHEL (7 or 8), UBUNTU 18.04 LTS, or HP ThinPro 7 operating systems. MacOS (10.13 or newer) operating system is only supported on the receiver side. Requires network access. The software is available for download at [hp.com/ZCentralRemoteBoost](http://hp.com/ZCentralRemoteBoost).

<sup>40</sup> The HP custom vapor chamber (Z VaporForce) is only available on configurations with NVIDIA RTX graphics or AMD Radeon graphics

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

<sup>42</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

<sup>43</sup> For detailed Linux® OS/hardware support information, see: [http://www.hp.com/linux\\_hardware\\_matrix](http://www.hp.com/linux_hardware_matrix)

<sup>44</sup> HP tested Windows 10, version 1809 on this platform. For testing information on newer versions of Windows 10, please see <https://support.hp.com/document/c05195282>

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

<sup>46</sup> HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior to use.

<sup>47</sup> Secure Erase - 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 requires Windows 10 Pro or Enterprise and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.

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

<sup>52</sup> HP Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

<sup>53</sup> Intel® Active Management Technology (AMT) built-in manageability only available with Intel vPro processor + Intel vPro WLAN module.

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