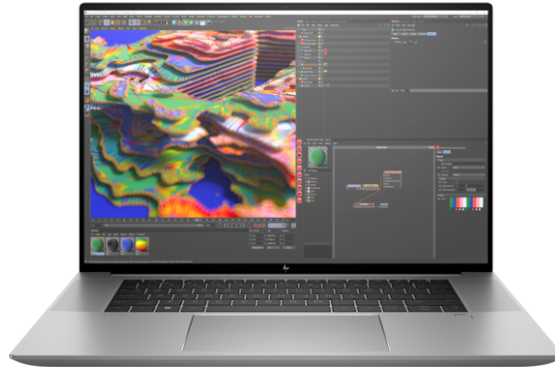


# HP ZBook Studio 16 inch G9 Mobile Workstation PC Wolf Pro SecurityEdition (6M731UT)



## Powerfully immersive. Perfectly sized

Be ready when inspiration strikes. Packed with professional performance in an incredibly sleek PC that comfortably fits in your bag, the ZBook Studio is engineered to get you in the zone and help you stay focused. Now you can build complex assemblies, render in real time or visualize data— from anywhere.



HP recommends Windows 11 Pro for business.

### Pro-grade performance for your biggest projects

Push your 3D workflows further with an Intel® CPU,[1] integrated or discrete graphics[2] and upgraded memory.

### See more of your content with less scrolling

Bring projects to life on a brilliant display and 16:10 aspect ratio so you can see more vertical content.

### Create and collaborate on the go

Work from anywhere on a light laptop with up to a 12-hour battery life[5] and AI noise cancellation software.[6]

## Featuring

### Intel® Core™ i7 processor

Run several CPU-heavy programs simultaneously without sacrificing performance with an Intel® Core™ i7 processor. [1]

### HP Z Turbo Drive High-speed Storage

Work without limits in any location with local PCIe storage that's up to 6x faster than SATA SSD, and up to 21x faster than traditional HDD storage. [3]

### HP Fast Charge

Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes. [4]

### Spill-resistant Keyboard

Accidents happen - which is why we designed our keyboard with a drain hole, so minor spills flow out the bottom for easy cleanup.

### Industry-leading security features

Advanced security features come standard. System safeguards like HP Sure Start – the industry's first self-healing BIOS – mean your device is locked down tight, so your data and identity are too.

Specifications

<b>Operating system</b>	Windows 11 Pro
<b>Processor family</b>	12th Generation Intel® Core™ i7 processor
<b>Processor</b>	Intel® Core™ i7-12700H (up to 4.7 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads)
<b>Memory</b>	16 GB DDR5-4800 MHz RAM (2 x 8 GB)
<b>Memory Slots</b>	2 SODIMM; supports dual channel
<b>Internal Storage</b>	512 GB PCIe® NVMe™ TLC SSD
<b>Memory card device</b>	1 microSD 7.1 media card reader
<b>Optical drive</b>	Not included
<b>Graphics</b>	Discrete
<b>Graphics (discrete)</b>	NVIDIA RTX™ A1000 Laptop GPU (4 GB GDDR6 dedicated)
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® Iris® X <sup>e</sup> Graphics
<b>Display</b>	40.6 cm (16") diagonal, WQUXGA (3840 x 2400), IPS, anti-glare, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor
<b>Display</b>	16" diagonal, WQUXGA (3840 x 2400), IPS, anti-glare, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor <sup>[7,15,16,25,27,29]</sup>
<b>Display size (diagonal)</b>	40.6 cm (16")
<b>Display size (diagonal)</b>	16"
<b>Audio</b>	Audio by Bang & Olufsen, Quad-speaker audio (2 tweeters & 2 Quad woofers), 2 Top Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 200Hz Bass Roll off
<b>Minimum dimensions (W x D x H)</b>	35.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)
<b>Minimum dimensions (W x D x H)</b>	14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)
<b>Weight</b>	Starting at 1.73 kg (Weight varies by configuration and components.)
<b>Weight</b>	Starting at 3.81 lb (Weight varies by configuration and components.)
<b>Keyboard</b>	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with programmable key
<b>Camera</b>	HP HD IR Camera 720p with face authentication and Windows Hello
<b>Ports</b>	1 power connector; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) <sup>[12]</sup>
<b>Ports</b>	1 Super Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
<b>Wireless</b>	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)
<b>Power</b>	150 W Slim Smart external AC power adapter <sup>[48]</sup>
<b>Battery type</b>	HP Long Life 6-cell, 86 Wh polymer
<b>Battery recharge time</b>	Supports battery fast charge: approximately 50% in 30 minutes
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Management features</b>	HP Power Manager <sup>[13]</sup>
<b>Sustainable impact specifications</b>	Low Halogen
<b>Security management</b>	Absolute persistence module; HP Device Access Manager; HP Power On Authentication; Trusted Platform Module TPM 2.0 Embedded Security Chip; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; HP Tamper Lock; MS Bitlocker Encryption; Nano Security Lock Slot; HP Client Security Manager Gen7; HP Privacy Key <sup>[8,34,35,37,38,39,40,43,49]</sup>
<b>Software included</b>	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 Privacy Settings; HP QuickDrop; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; HP ZCentral Remote Boost 2020 Software for Z workstation; Tile™ Application; Windows 10 Cloud Recovery Client; 1-month Adobe® free trial offer; HP Z Light Space; HP Camera & Super Resolution Software <sup>[30,31,33,51,55,57,58]</sup>
<b>UPC number</b>	(ABA) 196786260780; (ABL) 196786260797

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## **Top Recommended Displays, Accessories and Services**

No Top Recommended Displays, Accessories and Services

## Messaging Footnotes

- [1] 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.
- [2] Optional feature that must be configured at purchase.
- [3] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 10) of system disk is reserved for system recovery software.
- [4] Recharges the 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.
- [5] Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark18 battery benchmark <https://bapco.com/products/mobilemark-2018/> for additional details.
- [6] DNN Noise Reduction is delivered automatically through Windows update or can be downloaded from <https://support.hp.com/us-en/drivers> when available. Requires Windows 10 or higher, compatible with internal PC speakers, microphone and analog headsets. The DNN Noise Reduction setting can be configured through the Application HP Audio Control.

## Technical Specifications Footnotes

- [7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.
- [8] HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior to use.
- [12] Multi-Function USB-C port works with Discrete Graphics and Intel(r) Iris Xe Graphics. Note: For Nvidia Discrete Gfx, it can support HDMI 2.1 except GPU of QN20-P1 SKU(HDMI2.0 support).
- [13] Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.
- [15] UHD content required to view UHD images.
- [16] HD content required to view HD images.
- [25] HP Sure View is optional and must be configured at purchase. It operates in landscape orientation.
- [27] Display options may be limited to specific CPU / GPU Configurations.
- [29] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- [30] HP ZCentral Remote Boost Sender does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase through 2022. 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. ZCentral Remote Boost Sender for non-Z Hardware requires a license and Windows 10, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. Requires network access. The software is available for download at [hp.com/ZCentralRemoteBoost](http://hp.com/ZCentralRemoteBoost).
- [31] 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>.
- [33] HP Connection Optimizer requires Windows 10.
- [34] HP BIOSphere Gen6 requires Windows 10 and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations
- [35] 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/comptrace-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.
- [37] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- [38] Security lock for security slot is sold separately.
- [39] HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.
- [40] MicroSD 7.1 supports next generation secure digital and is compatible to SD, SDHC, SDXC, SDUC media.
- [43] HP Sure Start Gen6 is available on select HP PCs and requires Windows 10 and higher.
- [48] 150W Power Adapter is not available with Nvidia RTX™ Graphics
- [49] HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin

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