

# HP ZBook Studio G7 Mobile Workstation (8YP37AV) (28Y17PA)



## The ultimate benchmark for technical pros

Meticulously built with extraordinary performance in a transformative size, never has so much power been engineered into such a sleek package. Rigorously tested. Ingeniously crafted. Keep your best talent creating on the best tech with the new benchmark for mobile workstations.



HP recommends Windows 10 Pro for business

### Pro-grade performance. Stable and certified

Powerful performance. Uncompromising reliability. With NVIDIA® Quadro® graphics, pro software certification, Intel® processors and up to 32GB memory, your workforce can render, design, simulate & analyze with complete confidence.[2]

### Engineered to go mobile

Introducing HP's smallest 15" laptop for creators. Our groundbreaking design packs a nearly borderless screen and long-lasting battery life into a lightweight, scratch resistant aluminum frame.

### Ingenious design. Revolutionary experience.

Tirelessly re-engineered from the ground up, this is superior design. Vapor chamber cooling and liquid-crystal polymer thermals equip you to run at max performance. Our astonishingly quiet, comfortable keyboard keeps you in the zone.

## Featuring

### HP Fast Charge

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

### 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 10 Pro for Workstations 64 – HP recommends Windows 10 Pro for business
<b>Processor family</b>	10th Generation Intel® Core™ i7 processor
<b>Processor</b>	Intel® Core™ i7-10850H (2.7 GHz base frequency, up to 5.1 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores)
<b>Processor technology</b>	Intel® Core™ i7 with vPro™ Technology
<b>Memory</b>	32 GB DDR4-2666 ECC SDRAM (1 X 32 GB)
<b>Internal Storage</b>	1 TB PCIe® NVMe™ SSD
<b>Graphics</b>	Discrete
<b>Graphics (discrete)</b>	NVIDIA® Quadro RTX™ 3000 (6 GB GDDR6 dedicated)
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® UHD Graphics
<b>Display</b>	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, 72% NTSC
<b>Display</b>	15.6" diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, 72% NTSC <sup>[15,25,26,27,28,29]</sup>
<b>Display size (diagonal)</b>	39.6 cm (15.6")
<b>Display size (diagonal)</b>	15.6"
<b>Audio features</b>	Audio by Bang & Olufsen, stereo speakers (2 tweeters & 2 woofers), HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 150Hz Bass Roll off
<b>Minimum dimensions (W x D x H)</b>	35.4 x 23.46 x 1.79 cm (non-touch); 35.4 x 23.46 x 1.75 cm (touch)
<b>Minimum dimensions (W x D x H)</b>	13.93 x 9.24 x 0.70 in (non touch); 13.93 x 9.24 x 0.69 in (touch)
<b>Weight</b>	Starting at 1.79 kg (Weight varies by configuration and components.)
<b>Weight</b>	Starting at 3.96 lb (Weight varies by configuration and components.)
<b>Keyboard</b>	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with programmable key
<b>Ports</b>	1 power connector; 1 HDMI or 1 Mini DisplayPort™; 2 SuperSpeed USB Type-C® 10Gbps signaling rate <sup>[12,13,52,54]</sup>
<b>Expansion slots</b>	1 SD 4.0 media card reader <sup>[11,52]</sup> (SD 4.0 supports next generation secure digital and is compatible to SD, SDHC, SDXC, SDUC media)
<b>Ports</b>	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging)
<b>Wireless</b>	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, vPro®
<b>Power</b>	200 W Slim Smart external AC power adapter <sup>[48]</sup>
<b>Battery type</b>	HP Long Life 6-cell, 83 Wh Li-ion polymer
<b>Battery recharge time</b>	Supports battery HP fast charge: approximately 50% in 30 minutes <sup>[47]</sup>
<b>Energy efficiency</b>	ENERGY STAR® certified
<b>Environmental</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; Microsoft Security Defender; HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Run Gen3; HP Sure Admin; HP Image Assistant; HP Client Security Manager Gen6; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot <sup>[34,35,36,37,38,39,40,41,42,43]</sup>
<b>Software included</b>	Bing search for IE11; Buy Office; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software <sup>[30,31,32,33]</sup>
<b>UPC number</b>	195161141669

## Top Recommended Displays, Accessories and Services

### Z Displays

HP Z24n G2 24-inch Display	1JS09A4
HP Z27n G2 27-inch Display	1JS10A4
HP Z32 31.5-inch 4K UHD Display	1AA81A4

### Docking Stations

HP Thunderbolt Dock G2 with Combo Cable	3TR87AA
HP USB-C Dock G5	5TW10AA
HP USB-C/A Universal Dock G2	5TW13AA

### Cases

HP 15.6 Business Top Load	2SC66AA
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### Backpacks

HP Executive 15.6 Backpack	6KD07AA
HP 17.3 Business Backpack	2SC67AA

### Keyboard and Mouse Kits

HP Slim Wireless Keyboard and Mouse	T6L04AA
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### Mice

HP Bluetooth Travel Mouse	6SP30AA
HP Wireless Premium Mouse	1JR31AA

### AC Adapters

HP 150W Slim Smart AC Adapter (4.5mm)	4SC18AA
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### PC Locks

HP Sure Key Cable Lock	6UW42AA
HP Nano Keyed Cable Lock	1AJ39AA

## Messaging Footnotes

[2] Optional, configurable features

[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.

## Technical Specifications Footnotes

[11] SD Media does not come with the device and requires compatible media in order to use the slot.

[12] HDMI 2.0 works with Discrete Graphics and drops to HDMI 1.4 with Intel(r) UHD Graphics.

[13] HDMI 2.0 connector is provided with Intel® UHD Graphics and/or NVIDIA Quadro T1000 or T2000 configurations; miniDP 1.4 connector is provided with NVIDIA Quadro RTX 3000 or higher configurations.

[15] UHD content required to view UHD images.

[25] HP Sure View is optional and must be configured at purchase.

[26] HP Sure View available in 2nd half of 2020.

[27] Display options may be limited to specific CPU / GPU Configurations.

[28] Vesa Certification for HDR 400 and HDR 500 True Black are pending.

[29] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[30] 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).

[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>.

[32] 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>

[33] HP Connection Optimizer requires Windows 10.

[34] HP BIOSphere Gen5 is available on select HP Pro, Elite and ZBook PCs. See product specifications for details. 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/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.

[36] Microsoft Defender Opt in and internet connection required for updates.

[37] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.

[38] Security lock slot is Lock sold separately.

[39] HP Client Security Manager Gen5 requires Windows and is available on select HP Pro, Elite, and ZBook PCs. See product specifications for details.

[40] HP Sure Recover Gen2: See product specifications for availability. Requires an open, wired network connection. Not available on platforms with multiple internal storage drives. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover (Gen1) does not support platforms with Intel® Optane™.

[41] HP Sure Recover with Embedded Reimaging Gen2 is an optional feature which must be configured at purchase. See product specifications for availability. Not available on platforms with multiple internal storage drives. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. HP Sure Recover with Embedded Reimaging (Gen1) does not support platforms with Intel® Optane™.

[42] HP Client Security Manager Gen5 requires Windows and is available on select HP Pro, Elite and ZBook PCs. See product specifications for details.

[43] HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.

**Learn more at**  
**hp.com**

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