HP ZBook Studio G7 Mobile Workstation

The new standard for the serious creator

Real-time rendering. Sleek design. An impressive combination of power and size. Ready for a workflow revolution? With NVIDIA® Quadro® graphics combined with the remarkable power of Z, pro-grade performance has never looked or felt better.

HP recommends Windows 10 Pro for business

Pro-grade performance. Stable and certified
- Powerful performance. Uncompromising reliability. With NVIDIA® Quadro® graphics, universal software certification, 8-core Intel® Xeon® processors and up to 32 GB memory, your workforce can render, design, simulate & analyze with complete confidence.

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.
- Work anywhere without compromising on performance or security with Windows 10 Pro, powered by HP's collaboration and connectivity technology.
- Experience high-end visualization and seamlessly render your biggest projects with the next generation NVIDIA® Quadro® T-Series and RTX graphics; Certified and supported for the apps you use every day.
- Take multitasking to the next level with up to the 10th gen Intel® Core™ i9 or Intel® Xeon® processor designed to handle complex, multi-threaded apps like Adobe Premier Pro®, and boost your speed on single threaded apps like Autodesk 3ds Max.
- Power through projects with up to 32 GB RAM for fast rendering, editing and simulating.
- Blitz through multiple tasks and ditch external drives with up to 2 TB local NVMe storage.
- Speakers custom tuned by Bang and Olufsen surround you in a rich sound space so you hear music the way the audio engineers intended. Featuring the most powerful speakers with the greatest levels of bass on any HP notebook.
- Connect to everything you need with a wide-range of connectivity options: Dual USB-C®, Thunderbolt™, HDMI or Mini DisplayPort™, USB 3.0 charging port, headphone jack, and AC port.
- A completely revamped standby system means you're ready to work the moment inspiration strikes. With no sleep mode and no off mode, the modern standby keeps your rig connected and on demand whenever you need it.
- Transfer files over Wi-Fi® up to 3x faster with Wi-Fi 6.
- Instantly protect against visual hacking with HP Sure View Reflect, and defend against firmware and malware attacks with HP Sure Start Gen6 and HP Sure Sense.
- A highly recyclable & lightweight aluminum exterior with 5x the abrasion resistance of painted carbon fiber allows for a more durable, thin, and recyclable device.
- Our ZBook Studio G7 was designed to undergo extensive testing, and has passed 21 of the MIL-STD 810H Test.
## HP ZBook Studio G7 Mobile Workstation Specifications Table

| **Available Operating Systems** | Windows 10 Pro 64 – HP recommends Windows 10 Pro for business \(^{14,17}\)  |
| **Processor family** | 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** | 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)  |
| **Display size (diagonal)** | 15.6"  |
| **Maximum memory** | 32 GB DDR4-2933 non-ECC SDRAM \(^{1,3}\)  |
| **Internal storage** | 256 GB up to 2 TB PCIe® Gen 3 x 4 NVMe™ M.2 SSD \(^{1,3,5,6,9}\)  |
| **Display** | 15.6" diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, low power, 72% NTSC  |
| **Available Graphics** | Integrated Intel® UHD Graphics\(^{1,3,5,6,7}\)  |
| **Audio** | 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  |
| **Expansion slots** | 1 SD 4.0 media card reader \(^{1,17,24}\)  |
| **Ports and Connectors** | Right side: 1 power connector; 1 HDMI or 1 Mini DisplayPort™; 2 SuperSpeed USB Type-C® 10Gbps signaling rate (charging) \(^{1,2,5,6,11}\)  |
| **Available Keyboards** | HP 2 Command Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys; HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys  |
| **WLAN\(^{14}\) Network Interface** | Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, vPro™  |
| **Camera\(^{14,17}\)** | 720p HD with Temporal Noise Reduction webcam with IR  |
| **Software\(^{23,31,32,33}\)** | 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  |
| **Security management\(^{24,33,35,36,37,38,39,40,41,42,43}\)** | 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 Gen3; 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  |
| **Power\(^{46}\)** | HP Smart 150 W External AC Power Adapter; HP Slim Smart 200 W External AC Power Adapter  |
| **Battery type\(^{47}\)** | HP Long Life 6-cell, 83 Wh Li-ion polymer  |
| **Battery life\(^{48}\)** | Up to 18 hours  |
| **Battery recharge time** | Supports battery HP fast charge: approximately 50% in 30 minutes \(^{47}\)  |
| **Dimensions** | 13.9 x 9.24 x 0.70 in (non-touch); 13.9 x 9.24 x 0.69 in (touch); 35.4 x 23.46 x 1.79 cm (non-touch); 35.4 x 23.46 x 1.75 cm (touch)  |
| **Weight** | Starting at 3.84 kg; Starting at 1.74 kg (Weight varies by configuration and components.)  |
| **Energy efficiency compliance\(^{45,53}\)** | ENERGY STAR® certified and EPEAT® Gold registered configurations available  |
| **Environmental specifications\(^{46}\)** | Low halogen  |
| **Warranty** | 3 year or 1 year limited warranty options available, depending on country; Batteries have the same 1 year or 3 year limited warranty as the platform. 24/7 operation will not void the HP warranty. Optional HP Care Pack Services are extended service contracts which go beyond your standard limited warranties.  |
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Accessories and services (not included)

Additional Services (Not included)

UD0PBE - HP 1 year Next business day onsite Hardware Support with Accidental Damage Protection
U020VE - HP 3 year Next business day onsite Hardware Support with Accidental Damage Protection
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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 workloads, hardware, software, system configurations, Intel’s numbering and brand or naming is not a measurement of higher performance.

Optional, configurable feature.

One billion colors through A-FRC technology.

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. EP locks may apply and additional requirements may apply over time for updates. See http://www.windows.com.

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

Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.

Intel® vPro technology is supported only on select HP PCs with Intel processors. Refer to product specifications for availability.

HP Sure View integrated privacy screen is an optional feature that must be configured at purchase.

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

Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.

Memory is soldered down and not upgradeable.

Memory configuration may be limited to specific CPU / GPU Configurations.

Memory is soldered down and not upgradeable.

Some functionality of vPro, such as Intel Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.

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.

HP Sure View 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.

Undergoes MIL-STD testing. MIL-STD testing is not intended to demonstrate fitness for use by U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage may be an optional HP Accidental Damage Protection Care Service.

7520G5 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 workloads, hardware, and software configurations. Intel’s numbering, brand and naming is not a measurement of higher performance.

Winner of the CES Innovation Award 2019 for PC Workstation Design.

UHD content required to view HD images.

Webcam 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.

Full-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.

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

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Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.

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

HP Sure Recovery 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 all data before use to ensure that your data is not lost.

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

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 use. See MobileMark® battery benchmark at https://bapco.com/products/mobilemark-2014/ for additional details.

Based on US EPEAT® registration according to Ecope 168.1-2018 EPEAT®. Status varies by country. Visit the website for more information.

External power supplies, power cords, cables and peripherals are not hot pluggable. Service parts obtained after purchase may not be hot pluggable.

Based on Windows 10, version 1809 on this platform. For testing, information on newer versions of Windows 10, please visit https://support.hp.com/us-en/document/c01952828.

150W Power Adapter is not available with NVIDIA Quadro RTX 3000 or higher configurations.

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