

HP ZBook Studio G4 Mobile Workstation



Premium design. Workstation power

Built for creative visionaries, the HP ZBook Studio offers desktop workstation power, in a sleek, light, stunning mobile design.



HP recommends Windows 10 Pro.

Stunning design

- Meticulously crafted with a fully-machined aluminum and die-cast magnesium body, diamond-cut edges and an optional stunning DreamColor UHD display². And at just 18mm thin and 1.99 kg (4.4 lbs.)³, you'll be prepared wherever inspiration strikes.

No compromise reliability

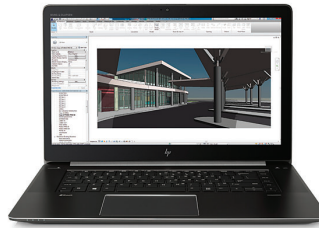
- Confidently take on your workday with our durable & reliable HP ZBook Studio. With a 3-year onsite⁴ limited warranty, 120,000 hours of testing, and 30 years of HP Z DNA this is where the fusion of innovation, performance & reliability meet.

Featuring

- Be productive in any situation. Windows 10 Pro and powerful security, collaboration, and connectivity features from HP help you power through your day on the HP ZBook Studio.
- Choose from 7th generation Intel® Core™ or Intel® Xeon® processor options that bring speed and outstanding performance to the HP ZBook Studio.
- For real-time visualization of multi-layered files and projects, experience NVIDIA® Quadro® M1200M with 4GB dedicated GDDR5 graphics.
- The HP ZBook Studio is extremely responsive in handling heavy workloads and file sizes, with up to 32 GB DDR4 memory. Plus, help protect your data with optional ECC memory.
- Get up to 2 TB of storage with dual HP Z Turbo Drives for enhanced speeds with file transfers and boot up time.
- Quickly and easily transfer data and connect to devices. This HP ZBook Studio is packed with multiple ports including dual Thunderbolt 3 ports, DisplayPort 1.2, and more.
- When color accuracy is critical, the optional 4K UHD display with HP DreamColor technology provides 8 million color accurate pixels, which means crystal clear, immersive imagery.
- Configurable options allow you to create what you need. You can select memory, storage, processor, graphics and display size options to fit your work style.
- Get long lasting battery life, and when you need it, recharge quickly with HP Fast Charge. You'll get up 50% battery life in just 30 minutes.
- The HP ZBook Dock with Thunderbolt 3 quickly connects and powers your HP ZBook to compatible devices and provides support for dual 4K monitors at native resolutions.
- Reliable HP service is ready when you need it, including 3 years of parts, labor and onsite service with our limited warranty.
- Experience the dual-fan active cooling system designed to dissipate heat from the powerful NVIDIA® graphics cards and Intel® processors.

HP ZBook Studio G4 Mobile Workstation Specifications Table

HP recommends Windows 10 Pro.



Operating System	Windows 10 Pro 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Home 64 ¹ FreeDOS 2.0
Processor Family	7th Generation Intel® Xeon® processor (E3-1535M v6, E3-1505M v6 models); 7th Generation Intel® Core™ i7 processor (i7-7700HQ, i7-7820HQ models); 7th Generation Intel® Core™ i5 processor (i5-7300HQ, i5-7440HQ models) ^{2,3}
Processors^{2,3}	Intel® Xeon® E3-1535M v6 with Intel® HD Graphics P630 (3.1 GHz, up to 4.2 GHz with Intel® Turbo Boost Technology 2.0, 8 MB L3 cache, 4 cores); Intel® Xeon® E3-1505M v6 with Intel® HD Graphics P630 (3 GHz, up to 4 GHz with Intel® Turbo Boost Technology 2.0, 8 MB L3 cache, 4 cores); Intel® Core™ i7-7820HQ with Intel® HD Graphics 630 (2.9 GHz, up to 3.9 GHz with Intel® Turbo Boost Technology 2.0, 8 MB L3 cache, 4 cores); Intel® Core™ i7-7700HQ with Intel® HD Graphics 630 (2.8 GHz, up to 3.8 GHz with Intel® Turbo Boost Technology 2.0, 6 MB L3 cache, 4 cores); Intel® Core™ i5-7440HQ with Intel® HD Graphics 630 (2.8 GHz, up to 3.8 GHz with Intel® Turbo Boost Technology 2.0, 6 MB L3 cache, 4 cores); Intel® Core™ i5-7300HQ with Intel® HD Graphics 630 (2.5 GHz, up to 3.5 GHz with Intel® Turbo Boost Technology 2.0, 6 MB L3 cache, 4 cores)
Chipset	Mobile Intel® CM236 integrated with processor
Maximum Memory	Up to 32 GB DDR4-2400 ECC or non-ECC SDRAM ^{4,5} Standard memory note: Transfer rates up to 2400 MT/s. Non-ECC memory only available with Intel® Core™ processors. ECC memory only available with Intel® Xeon® processors.
Memory Slots	2 SODIMM
Internal Storage	up to 128 GB M.2 SATA SSD ⁶ 256 GB up to 512 GB M.2 SATA SED SSD ⁶ up to 256 GB HP Z Turbo Drive G2 (NVMe™ PCIe® TLC SSD) ⁶ up to 512 GB HP Z Turbo Drive G2 (NVMe™ PCIe® TLC SED SSD) ⁶ 256 GB up to 1 TB HP Z Turbo Drive G2 (NVMe™ PCIe® MLC SSD) ⁶
Display	39.6 cm (15.6") diagonal FHD UWVA IPS anti-glare (1920 x 1080); 39.6 cm (15.6") diagonal UHD UWVA IPS anti-glare (3840 x 2160); 39.6 cm (15.6") diagonal UHD DreamColor UWVA IPS anti-glare (3840 x 2160); 39.6 cm (15.6") diagonal FHD UWVA IPS touch screen (1920 x 1080)
Available Graphics	Integrated: Intel® HD Graphics P630; Intel® HD Graphics 630 ^{8,9} Discrete: NVIDIA® Quadro® M1200M (4 GB GDDR5 dedicated) ¹⁰
Expansion Slots	1 SD UHS-II flash media SD supports next generation secure digital and is backward compatible to SDHC, SDXC
Ports and Connectors	Left side: 1 RJ-45; 1 USB 3.0; 1 USB 3.0 (charging) Right side: 1 power connector; 2 USB Type-C™ (Thunderbolt™ 3, DisplayPort™ 1.2, USB 3.1); 1 HDMI 1.4; 1 USB 3.0; 1 stereo microphone-in/headphone-out combo
Communications	LAN: Integrated Intel® I219-LM Gigabit Network Connection WLAN: Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi and Bluetooth® 4.2 Combo; Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) non-vPro™ Wi-Fi and Bluetooth® 4.2 Combo ⁷
Audio	Bang & Olufsen HD audio. Integrated stereo speakers and microphone (dual-microphone array when equipped with optional webcam). Button for volume mute, functions keys for volume up and down. Combo microphone-in/stereo headphone-out jack.
Camera	720p HD webcam (optional) ¹¹
Power	150 W Slim Smart AC adapter (external)
Input Device	HP Spill Resistant Keyboard (backlit with function key control) Image sensor clickpad with on/off button, two-way scroll, gestures, two buttons
Security	Absolute Persistence Module; DriveLock and Automatic DriveLock; HP FingerPrint Sensor (optional); One-step logon; Optional USB port disable at factory (user configurable via BIOS); RAID (available as a configurable option); Removable media write/boot control; Security lock slot; Serial, parallel, USB enable/disable (via BIOS); Setup password (via BIOS); Support for Intel® AT; Power-on password (via BIOS); HP BIOSphere with Sure Start Gen3; Common Criteria EAL4+ Augmented Certified Discrete TPM 2.0 Embedded Security Chip ^{15,16,17}
Software	HP Mobile Workstations are shipped with a variety of software titles including: HP Performance Advisor, HP Remote Graphics Software (HP RGS), HP Velocity, HP Client Security Suite Gen3, HP ePrint Driver+JetAdvantage, HP Recovery Manager, HP WorkWise (requires Bluetooth), HP LAN-WLAN Protection, HP Hotkey Support, HP Jumpstart, HP Support Assistant, HP Noise Cancellation, Buy Office, Bing Search, Skype. Please refer to this product's quickspec document for a full list of preinstalled software. ^{12,13,14}
Dimensions	375 x 255 x 18 mm
Weight	Starting at 2.09 kg Weight varies by configuration and components
Energy Efficiency Compliance	ENERGY STAR® certified and EPEAT® registered configurations available ¹⁸
Environmental Certification	Low halogen ¹⁹
Warranty	3-year (3-3-0) limited warranty and service offering includes 3 years of parts and labor. Terms and conditions vary by country.

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Accessories and services (not included)

HP 16GB 2133MHz DDR4
Memory



Boost the capabilities of your HP Business Notebook PC and improve system performance and application responsiveness with low-power, high-speed DDR4 memory from HP.

Product number: X2E91AA

HP 1TB SSD 2280 M.2 PCI-E
3x4 NVMe



Reduce boot up, calculation, and graphics response times and revolutionize how your HP Business Notebook handles large files with the HP 1TB SSD 2280 M.2 PCI-E 3x4 NVMe, a remarkably affordable and innovative PCIe-based NVMe memory SSD storage solution.

Product number: X2E90AA

HP ZBook Thunderbolt 3 1m
Cable



Use the cable to connect your HP ZBook 150W or 200W Thunderbolt 3 Dock to your notebook.

Product number: Z4P20AA

3Dconnexion CadMouse



Simplify scroll, click, and zoom functions and comfortably drive your CAD projects with the 3Dconnexion CADMouse.

Product number: M5C35AA

HP Z Display Z34c 34-inch
Ultra Wide Curved Display



Raise the bar with the HP Z Display Z34c Ultra Wide Curved Display—86.36 cm (34") diagonal of an elegant, immersive, curved visual and audio experience with enhanced peripheral readability for your workstation, PC, and mobile device content.

Product number: K1U77A4

HP 3 year Next Business Day
Onsite Hardware Support for
Notebooks

Receive 3 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.

Product number: U4414E



Messaging Footnotes:

¹ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software 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>.

² Sold separately or as an optional feature.

³ Weight will vary by configuration.

⁴ Onsite service may require an optional HP Care Pack. Availability may vary.

⁵ Multi-Core 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 is not a measurement of higher performance.

⁶ 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.

⁷ 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.

Technical Specifications Footnotes:

¹ 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.microsoft.com>

² 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 is not a measurement of higher performance.

³ 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>

⁴ 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.

⁵ Only 2 DIMM configurations run at 2400 MHz and 4 DIMM configurations run at 2133 MHz.

⁶ For storage drives GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.

⁷ Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited. The specifications for the 802.11ac 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 802.11ac WLAN devices.

⁸ HD content required to view HD images.

⁹ Intel[®] HD graphics 630 is configurable as a standalone graphics option; Intel[®] HD graphics P630 only used when NVIDIA[®] Optimus[™] Technology is enabled.

¹⁰ NVIDIA[®] Quadro[®] mobile professional graphics support up to four independent displays when using a HP ZBook Dock with Thunderbolt 3 (sold separately) or DP 1.2 hubs with MST.

¹¹ Optional or add-on feature.

¹² HP ePrint Driver requires an internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see www.hp.com/go/businessmobileprinting)

¹³ HP Remote Graphics Software requires a Windows, Linux[®], or Mac[®]OS X 10.10 and newer operating system and network access.

¹⁴ HP Client Security Suite Gen3 requires Windows and Intel[®] or AMD 7th Gen processors.

¹⁵ BIOS Absolute Persistence module is shipped turned off, and will be activated when customers purchase and activate a subscription. Service may be limited. Check with Absolute for availability outside the U.S. The optional subscription service of Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. If Data Delete is utilized, the Recovery Guarantee payment is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either create a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

¹⁶ Intel AT security requires a separately purchased Absolute Computrace service subscription and must be activated and configured. Check with Absolute for availability in your country. Intel and HP assume no liability for lost or stolen data and/or systems or any other damages resulting therefrom. See <http://www.intel.com/technology/anti-theft/>. Disclose: Sure Start Gen3 is available on HP EliteDesk products equipped with Intel[®] 7th generation processors.

¹⁷ Sure Start Gen3 is available on HP ZBook products equipped with Intel[®] 7th generation processors.

¹⁸ EPEAT[®] registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

¹⁹ External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

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