ProductSheet
HP ZBook Studio G7 Mobile Workstation (2T5F2UT)

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. Liquid-crystal polymer thermals equip you to run at max performance. Our astonishingly quiet, comfortable keyboard keeps you in the zone.

ProductSheet | HP ZBook Studio G7 Mobile Workstation (2T5F2UT)

Specifications

Operating system	Windows 10 Pro 64
Processor family	10th Generation Intel® Core™ i9 processor
Processor	Intel® Core™ i9-10885H (2.4 GHz base frequency, up to 5.3 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores)
Processor technology	Intel® vPro™ Technology
Memory	32 GB DDR4-2666 MHz RAM (1 x 32 GB)
Internal Storage	1 TB PCIe® NVMe™ SSD
Graphics	Discrete
Graphics (discrete)	NVIDIA® Quadro RTX™ 5000 with Max-Q design (16 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, 72% NTSC
Display	15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, 72% NTSC[15,25,26,27,28,29]
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio features	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
Minimum dimensions (W x D x H)	35.4 x 23.46 x 1.79 cm (non-touch); 35.4 x 23.46 x 1.75 cm (touch)
Minimum dimensions (W x D x H)	13.93 x 9.24 x 0.70 in (non touch); 13.93 x 9.24 x 0.69 in (touch)
Weight	Starting at 1.74 kg *(Weight varies by configuration and components.)*
Weight	Starting at 3.84 lb *(Weight varies by configuration and components.)*
Keyboard	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with programmable key
Ports	1 power connector; 1 HDMI or 1 Mini DisplayPort™; 2 SuperSpeed USB Type-C® 10Gbps signaling rate[12,13,52,54]
Expansion slots	1 SD 4.0 media card reader[11,52] *(SD 4.0 supports next generation secure digital and is compatible to SD, SDHC, SDXC media)*
Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging)
Network interface type	WLAN
Wireless	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, vPro®
Power	200 W Slim Smart external AC power adapter[48]
Battery type	HP Long Life 6-cell, 83 Wh Li-ion polymer
Battery recharge time	Supports battery HP fast charge: approximately 50% in 30 minutes[47]
Ecolabels	ENERGY STAR® certified
Sustainable impact specifications	Low halogen
Security management	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[34,35,36,37,38,39,40,41,42,43]
Software included	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[30,31,32,33]

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	26D32AA
HP USB-C Dock G5	5TW10AA
HP USB-C/A Universal Dock G2	5TW13AA

Cases

HP 15.6 Business Top Load	2SC66AA

Backpacks

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

Keyboard and Mouse Kits

HP Slim Wireless Keyboard and Mouse	T6L04AA

Mice

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

AC Adapters

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

PC Locks

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

ProductSheet | HP ZBook Studio G7 Mobile Workstation (2T5F2UT)

Messaging Footnotes

[2] Optional, configurable features

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.

[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.

[47] 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

[48] 150W Power Adapter is not available with NVIDIA Quardro RTX 3000 or higher configurations.