HP ZBook 15 G6 Mobile Workstation (1G6Y6UT)

HP's best-selling ZBook

Our powerhouse ZBook thrives with heavy workloads from rendering to engineering to simulation. With room to grow, it's the only machine you'll ever need.

HP recommends Windows 10 Pro for business

Full-throttle performance
Get blazing-fast performance with the heaviest multi-app workloads. Boost your speed on single and multi-threaded apps with the high-performance multi-core Intel processor. Through it all, our cutting-edge thermal design keeps everything cool and quiet.

Ready to expand. No tools required.
When your technology needs evolve, you can easily upgrade. Simply remove the back panel and switch out your memory or storage in seconds.

Industry-leading security
Advanced security features come standard on every ZBook 15. System safeguards like HP Client Security Suite and HP Sure Start - the industry's first self-healing BIOS - mean your device is locked down tight, so your data and identity are too.

eDatasheet | HP ZBook 15 G6 Mobile Workstation (1G6Y6UT)

Specifications

Operating system	Windows 10 Pro 64
Processor family	9th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-9750H (2.6 GHz base frequency, up to 4.5 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores)
Memory	16 GB DDR4-2666 SDRAM (1 x 16 GB)
Memory Slots	4 SODIMM
Internal Storage	512 GB PCIe® NVMe™ SSD
Optical drive	Not included
Graphics	Discrete
Graphics (discrete)	NVIDIA® Quadro RTX™ 3000 (6 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 630
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, 72% NTSC
Display	15.6" diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, 72% NTSC [19,20,21,23]
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio features	Audio by Bang & Olufsen, dual stereo speakers, HP World Facing Microphone dual array digital microphone, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Minimum dimensions (W x D x H)	37.6 x 26.4 x 2.6 cm
Minimum dimensions (W x D x H)	14.8 x 10.4 x 1 in
Weight	Starting at 2.6 kg *(Weight varies by configuration and components.)*
Weight	Starting at 5.7 lb *(Weight varies by configuration and components.)*
Keyboard	HP Collaboration Keyboard – spill-resistant, backlit keyboard
Pointing device	Touchpad with multi-touch gesture support
Camera	1080p FHD IR camera
Ports	1 RJ-45; 1 USB 3.1 Gen 1; 1 USB 3.1 Gen 1 (charging)
Expansion slots	1 smart card reader; 1 SD media card reader
Ports	1 power connector; 1 USB 3.1 Gen 1; 1 HDMI 2.0b; 1 headphone/microphone combo; 2 USB Type-C™ (Thunderbolt™ 3, pass through support DisplayPort™ 1.4, USB 3.1 Gen 2, with BC 1.2)
Network interface type	WLAN
Wireless	Intel® AX200 Wi-Fi 6 (2x2) Wi-Fi® and Bluetooth® 5 combo, non-vPro®
Power	150 W Slim Smart external AC power adapter
Battery type	HP Long Life 4-cell, 90 Wh Li-ion polymer
Energy efficiency	ENERGY STAR® certified
Sustainable impact specifications	Low halogen
Security management	Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Security lock slot; Trusted Platform Module TPM 2.0 Embedded Security Chip; Master Boot Record security; Pre-boot authentication; HP BIOSphere Gen5; HP Sure Start Gen5; HP Secure Erase; HP Client Security Manager Gen5; HP Manageability Integration Kit; HP Sure Recover Gen2; Microsoft Defender; HP Client Security Suite Gen5; HP Sure Sense [22,24,30,31,33,34,38,39,47,50]
Software included	Bing search for IE11; Buy Office; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; Skype for Business Certified; HP JumpStart; HP Mobile Connect Pro; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery
UPC number	(ABA) 195122348809; (ABL) 195122348823

Top Recommended Displays, Accessories and Services

Z Displays

HP Z24n G2 24-inch Display	1JS09A4
HP Z24n G2 24-inch Display	1JS09A7
HP Z24n G2 24-inch Display	1JS09A8
HP Z27n G2 27-inch Display	1JS10A4
HP Z27n G2 27-inch Display	1JS10A7
HP Z27n G2 27-inch Display	1JS10A8
HP Z32 31.5-inch 4K UHD Display	1AA81A4
HP Z32 31.5-inch 4K UHD Display	1AA81A7
HP Z32 31.5-inch 4K UHD Display	1AA81A8

Docking Stations

HP Thunderbolt Dock G2 with Combo Cable	3TR87AA

Cases

HP Executive 15.6 Top Load	6KD06AA
HP 15.6 Business Top Load	2SC66AA

Backpacks

HP Recycled Series 15.6-inch Backpack	5KN28AA

Keyboard and Mouse Kits

HP Slim Wireless Keyboard and Mouse	T6L04AA

Mice

HP Bluetooth Travel Mouse	6SP30AA
HP X4000b Bluetooth Mouse	H3T50AA

AC Adapters

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

PC Locks

HP Sure Key Cable Lock	6UW42AA
HP Keyed Cable Lock 10 mm	T1A62AA

Messaging Footnotes

Technical Specifications Footnotes

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

[20] HP Sure View available on 2nd half of 2019.

[21] UHD content required to view UHD images.

[22] HP BIOSphere - Requires Intel® 8th generation processors. HP Sure Start Gen5 - Available on HP Elite and HP Z Workstation products equipped with Intel® 8th generation processors.

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

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

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

[31] 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.

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

[34] Security lock slot is Lock sold separately.

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

[39] HP Sure Sense requires Windows 10. See product specifications for availability.

[47] Secure Erase - For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.