HP ZBook Create G7 Notebook PC

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® GeForce® graphics combined with the remarkable power of Z, pro-grade performance has never looked or felt better.

HP recommends Windows 10 Pro for business

The performance a pro deserves

- For the first time, Z power and performance meets NVIDIA® GeForce® graphics. Offering up to 32GB memory, Intel® Core™ i9[1] processors and 2TB NVMe storage, you can design, edit, render, game and stream from anywhere. No matter how complex your workflow.

Engineered to go mobile

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

Intuitive. Innovative. Inspired.

- Ingenious engineering meets deliberate design. Create and game at max performance with breakthrough vapor chamber cooling and liquid-crystal polymer thermals. Our astonishingly quiet, comfortable keyboard now comes with an optional creative layout

- Work anywhere without compromising on performance or security with Windows 10 Pro, powered by HP's collaboration and connectivity technology.[5]

- Experience high-end visualization and seamlessly render your biggest projects with the next generation NVIDIA® GeForce® RTX graphics.[6]

- Take multitasking to the next level with up to 10th gen Intel® Core™ i9 processor designed to handle complex, multithreaded apps like Adobe Premier Pro®, and boost your speed on single threaded apps like Autodesk 3ds Max.[7,8]

- Power through projects with up to 32 GB RAM for fast rendering, editing and simulating.[9]

- Blitz through multiple tasks and ditch external drives with up to 2 TB local NVMe storage.[10,11,50]

- 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™, Mini DisplayPort™, USB 3.0 charging port, headphone jack, and AC port.[12,13,21,23]

- A completely revamped modern 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.[12]

- Instantly protect against visual hacking with HP Sure View, and defend against firmware and malware attacks with HP Sure Start and Sure Sense.[13,14,15]

- 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 ZBooks are designed to undergo extensive MIL-STD 810H testing.[16]

HP ZBook Create G7 Notebook PC Specifications Table

Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business[1] Windows 10 Home 64[1] Windows 10 Pro for Workstations 64[1] Ubuntu 20.04 [5] FreeDOS 3.0
Processor family[2,3,4,6,49]	10th Generation Intel® Core™ i5 processor; 10th Generation Intel® Core™ i7 processor; 10th Generation Intel® Core™ i9 processor
Available Processors[2,3,4,6,49]	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); Intel® Core™ i5-10400H with Intel® UHD Graphics (2.6 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores), supports Intel® vPro® Technology; Intel® Core™ i7-10850H with Intel® UHD Graphics (2.7 GHz base frequency, up to 5.1 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores), supports Intel® vPro® Technology; Intel® Core™ i9-10885H with Intel® UHD Graphics (2.4 GHz base frequency, up to 5.3 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores), supports Intel® vPro® Technology
Maximum memory	32 GB DDR4-2933 non-ECC SDRAM [7,8,9] Memory soldered down. Supports dual channel memory.
Internal storage	256 GB up to 2 TB PCIe® Gen 3 x 4 NVMe™ M.2 SSD[10,50] up to 512 GB PCIe® NVMe™ M.2 SED SSD[10]
Display size (diagonal, metric)	39.6 cm (15.6")
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, low power, 72% NTSC; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, 1000 nits, 72% NTSC, HP Sure View Reflect integrated privacy screen; 39.6 cm (15.6") diagonal, 4K UHD (3840 x 2160), IPS, anti-glare, 600 nits, HDR 400, 100% DCI-P3, Next Gen HP DreamColor; 39.6 cm (15.6") diagonal, 4K UHD (3840 x 2160), touch, UWVA, BrightView, Corning® Gorilla® Glass 6, 400 nits, HDR 500, 100% DCI-P3 [15,25,26,27,28,29]
Available Graphics	Integrated: Intel® UHD Graphics[15,18,19,20,21,22] Discrete: NVIDIA® GeForce RTX™ 2080 SUPER™ with Max-Q Design (8 GB GDDR6 dedicated); NVIDIA® GeForce RTX™ 2070 SUPER™ with Max-Q Design (8 GB GDDR6 dedicated); NVIDIA® GeForce RTX™ 2070 with Max-Q Design (8 GB GDDR6 dedicated)[13,18,22,23,51]
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 [11] (SD 4.0 supports next generation secure digital and is compatible to SD, SDHC, SDXC media)
Ports and Connectors	Right side: 1 power connector; 1 Mini DisplayPort™ 1.4; 2 SuperSpeed USB Type-C® 10Gbps signaling rate[12,13,52] Left side: 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging)
Input devices	HP Z Command Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys; HP Premium Collaboration Keyboard – spill-resistant, full-size, backlit keyboard with DuraKeys[24] HP Z Command Keyboard only available in the US.;
Communications	WLAN: Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, vPro™; Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, non-vPro™ [14,54];
Camera	720p HD with Temporal Noise Reduction webcam with IR [16,17]
Software	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]
Security management	Absolute persistence module; HP BIOSphere with Sure Start; 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 Client Security Suite Gen6; HP Sure Start Gen6; HP Sure Run Gen3; HP Sure Admin; HP Image Assistant; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot[34,35,36,37,38,39,40,41,42,43]
Fingerprint reader	Fingerprint reader (select models)
Power	HP Slim Smart 200 W External AC Power Adapter[48]
Battery type	HP Long Life 6-cell, 83 Wh Li-ion polymer[47]
Battery life	Up to 14 hours[44]
Battery recharge time	Supports battery HP fast charge: approximately 50% in 30 minutes[47]
Dimensions	35.4 x 23.46 x 1.79 cm (non-touch); 35.4 x 23.46 x 1.75 cm (touch)
Weight	Starting at 1.92 kg (Weight varies by configuration and components.)
Energy efficiency compliance	ENERGY STAR® certified and EPEAT® Gold registered configurations available[45, 54]
Sustainable impact specifications	Low halogen[46]
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 15.6 Business Top Load

When a notebook PC is your companion in and out of the office, you need a case you can trust to keep it safe. The HP 15.6 Business Top Load is ready for action with lockable[1] zippers, a secure RFID pocket, and plenty of room for your device up to 15.6" diagonal and everyday essentials.
Product number: 2SC66AA

HP Thunderbolt Dock G2 with Combo Cable

Reinvent docking and boost productivity with our most versatile Thunderbolt™ dock, the small, sophisticated HP Thunderbolt Dock G2. Designed for workspace flexibility and network manageability[1], it delivers USB-C™[2] device connectivity and optional integrated audio.[3]
Product number: 3TR87AA

HP 150W Slim Smart AC Adapter (4.5mm)

Add an additional adapter and always have one available in the office or at home.
Product number: 4SC18AA

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

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Messaging Footnotes

[1] 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, branding and/or naming is not a measurement of higher performance.
[2] Optional, configurable features.
[3] One-billion colors through A-FRC technology.
[5] 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.windows.com.
[6] NVIDIA®, the NVIDIA® logo, and NVIDIA® GeForce® are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries
[7] 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, branding and/or naming is not a measurement of higher performance.
[8] Adobe Premier Pro® and Autodesk 3ds Max sold separately.
[9] Up to 32GB memory is an optional, configurable feature.
[10] 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.
[12] Wi-Fi 6 offers up to 3x faster file transfer speeds than Wi-Fi® 5 Based on Wi-Fi 5 80MHz and Wi-Fi 6 160MHz minimum requirements when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 802.11ax (Wi-Fi 6). Only available in countries where 802.11ax is supported.
[13] HP Sure View integrated privacy screen is an optional feature that must be configured at purchase.
[14] HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.
[15] HP Sure Sense requires Windows 10. See product specifications for availability.
[16] Undergoes MIL-STD testing. MIL-STD testing is not intended to demonstrate fitness for 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 requires an optional HP Accidental Damage Protection Care Service.

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.windows.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, branding and/or naming is not a measurement of higher performance.
[3] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
[4] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
[5] Reinstalled Ubuntu 20.0 will be available in 2H2020
[6] 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.
[7] 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.
[8] Memory is soldered down and not upgradeable.
[9] Memory configuration may be limited to specific CPU / GPU Configurations.
[10] For 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.
[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.
[14] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft 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 802.11ax devices. Only available in countries where 802.11ax is supported.
[15] UHD content required to view UHD images.
[16] HD content required to view HD images.
[17] Windows 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.
[18] Both UMA & Discrete configurations support 3 independent displays when on the HP UltraSlim Dock (sold separately) - Max. resolution = 2.5K @60Hz (DP1) & 2.5K @60Hz (DP2) & FHD (VGA), and support 3 independent displays when on the HP Thunderbolt Dock G2 (sold separately) - Max. resolution = 2.5K @60Hz (DP1) & 2.5K @60Hz (DP2) & FHD (VGA) OR 4K @60Hz (one DP Port) & 4K @60Hz (Type-C output port using a Type C-to-DP adapter).
[19] Support HD decode, DX12, HDMI 1.4, HDCP 2.2 via DP up to 4K @ 60Hz and via HDMI up to 4K @ 30Hz.
[20] 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.
[21] HDMI cable Sold Separately.
[22] GPU configurations may be limited to specific GPU/Memory Configurations.
[23] miniDP cable sold separately.
[24] Only available in the US.
[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.
[44] 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 usage. See MobileMark14 battery benchmark https://bapco.com/products/mobilemark-2014/ for additional details.
[45] EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options.
[46] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
[48] 150W Power Adapter is not available with NVIDIA Quadro RTX 3000 or higher configurations.
[49] Xeon available in 2nd half of 2020.
[50] 4TB PCIe Gen 3 x4 NVMe M.2 SSD TLC Option available in 2nd half of 2020.
[51] NVIDIA GeForce RTX 2070S and RTX 2080S graphic options available in 2nd half of 2020.
[52] 1 HDMI 2.0 or 1 mini DisplayPort™ 1.4
[53] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[54] Intel® Active Management Technology (iAMT) built-in manageability only available with Intel vPro processor + Intel vPro WLAN module.

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May 2021