

HP ZBook Studio 16 inch G11 Mobile Workstation PC (AP0E5AT)



Powerfully immersive. Perfectly sized

Be ready when inspiration strikes. Packed with professional performance in an incredibly sleek PC that comfortably fits in your bag, the ZBook Studio is engineered to get you in the zone and help you stay focused. Now you can build complex assemblies, render in real-time or visualize data—from anywhere.



Pro-grade performance for your biggest projects

Push your 3D workflows further with an Intel® CPU,[1] integrated or discrete graphics[2] and upgraded memory.

See more of your content with less scrolling

Bring projects to life on a brilliant display and 16:10 aspect ratio so you can see more vertical content.

Create and collaborate everywhere

Follow inspiration wherever it strikes with a thin and light laptop that's powerful enough to run the software you need on the go. Work and collaborate effectively with a long-lasting battery[5] and AI Noise Suppression software.[4]

Featuring

Windows 11

Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

Intel® Core™ Ultra Processor

Unleash productivity with a new architecture that delivers power-efficient performance for complex business workloads and is purpose-built for the next era of AI software by sending the right task to the right engine at the right time.

HP Z Turbo Drive High-speed Storage

Work without limits in any location with local PCIe storage that's up to 6x faster than SATA SSD, and up to 21x faster than traditional HDD storage. [6]

HP Fast Charge

Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes. [7]

Spill-resistant Keyboard

Accidents happen - which is why we designed our keyboard with a drain hole, so minor spills flow out the bottom for easy cleanup.

Specifications

Operating system	Windows 11 Pro ^[1]
Processor family	Intel® Core™ Ultra 7 processor
Processor	Intel® Core™ Ultra 7 155H (up to 4.8 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 16 cores, 22 threads) [6,7]
Memory	32 GB DDR5-5600 MT/s (2 x 16 GB)
Memory Slots	2 SODIMM; supports dual channel
Internal Storage	1 TB PCIe® Gen4 NVMe™ TLC M.2 SSD
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce RTX™ 4070 Laptop GPU (8 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	Intel® Arc™ Graphics
Display	40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, micro-edge, 400 nits, 100% sRGB
Display	16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, micro-edge, 400 nits, 100% sRGB ^[15,16,17,18]
Display size (diagonal)	40.6 cm (16")
Display size (diagonal)	16"
Audio	Audio by Poly Studio, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Minimum dimensions (W x D x H)	35.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)
Minimum dimensions (W x D x H)	14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)
Weight	Starting at 1.73 kg (Weight varies by configuration and components.)
Weight	Starting at 3.81 lb (Weight varies by configuration and components.)
Keyboard	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys
Pointing device	Clickpad with image sensor, supporting multi-touch gestures and taps
Camera	720p HD IR camera
Ports	1 power connector; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) ^[12]
Ports	1 Super Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
Package dimensions (W x D x H)	552 x 69 x 345 mm
Wireless	Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®
Power	150 W external AC power adapter ^[48]
Battery type	HP Long Life 6-cell, 86 Wh Li-ion polymer
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes ^[50]
Ecolabels	TCO Certified
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low Halogen
UPC number	(ABA) 198701400172; (ABL) 198701400158

Top Recommended Displays, Accessories and Services

Series 7 Pro

HP Series 7 Pro 27 inch QHD Monitor - 727pq	8J4D8AA
HP Series 7 Pro 31.5 inch 4K Thunderbolt 4 Monitor - 732pk	8Y2K9AA
HP Series 7 Pro 27 inch 4K Thunderbolt 4 Monitor - 727pk	8J9G2AA

Speakerphones

Poly Sync 20+ USB-C Speakerphone	772D0AA
Poly Sync 20 USB-C Speakerphone	7F0J7AA
Poly Sync 10 USB-A USB-C Speakerphone	772C3AA

Wireless Headset

Poly Voyager Surround 80 UC USB-C Headset +USB-C/A Adapter	8G7T9AA
Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter	9T9J3AA

Wired Headset

Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter	8X223AA
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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 feature that must be configured at purchase.

[4] AI Noise Suppression is delivered automatically through Windows update or can be downloaded from <https://support.hp.com/us-en/drivers> when available. Requires Windows 10 or higher, compatible with internal PC speakers, microphone and analog headsets. The AI Noise Suppression setting can be configured through the Application HP Audio Control.

[5] 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 MobileMark25 battery benchmark <https://bapco.com/products/mobilemark-2018/https://bapco.com/products/mobilemark-25/> for additional details.

[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 the 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

[6] 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, branding and/or naming is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[12] Multi-Function USB-C port works with Discrete Graphics and Intel(r) Iris Xe Graphics. Note: For Nvidia Discreate Gfx, it can support HDMI 2.1 except GPU of QN20-P1 SKU(HDMI2.0 support).

[15] WUXGA content required to view WUXGA images.

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

[17] HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation. Actual brightness will be lower with touchscreen or Sure View.

[18] Actual brightness will be lower with touchscreen or Sure View.

[48] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.

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