ProductSheet

HP ZBook 8 G1i 16 inch Mobile Workstation PC (BN4E7LT)

Step up performance. Not size.

Pro-level performance combines with true mobility in this sleek and powerful laptop. Review 3D designs, create with AI tools in pro apps, and work across multiple projects wherever you are. Stay productive with an AI workstation that delivers both performance and long-lasting battery.[1]



Upgrade to pro-level components
Say goodbye to lags and crashes with fast responsiveness. With an Intel® Core™ Ultra CPU,[2] with up to 13 NPU TOPS,[2] integrated or discrete graphics,[3] and large memory configurations,[3] open large files and run pro apps simultaneously for speedy multitasking.

Work all day. Anywhere.
The most mobile ZBook, now redesigned, is made to move. With a long-lasting battery[1] this sleek device is small enough to fit in your bag so you can stay productive anywhere. This is high performance workstation power on the go.

Accelerate AI workflows
Speed up AI inferencing on the HP ZBook 8, with pro-level graphics designed for advanced AI workflows. Focus on the work that matters and enable productivity without diverting resources from your most demanding work.

Featuring

HP recommends Windows 11 Pro for business
Work anywhere without compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot. [6]

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. [7]

NVIDIA® Graphics
Tackle your biggest projects with an optional NVIDIA RTX™ 500 Ada Laptop GPU; certified for pro apps. [3]

HP Fast Charge
Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes. [8]

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 Software	Windows 11 Pro[1]
Processor Family	Intel® Core™ Ultra 7 processor
Processor Name	Intel® Core™ Ultra 7 255H (up to 5.1 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 16 cores, 16 threads) [6,7]
Chipset	Intel® integrated SoC
Standard Memory Description 01	32 GB DDR5-5600 MT/s (2 x 16 GB)
Memory Slots	2 SODIMM; supports dual channel
Hard Drive Description (01)	1 TB PCIe® NVMe™ SSD
Graphics Card Segment 01	Integrated
GScardseg 01 Available Card 01	Intel® Arc™ 140T GPU
Display Description (metric)	40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 62.5% sRGB
Display Description	16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 62.5% sRGB
Audio Features	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
Product Dimensions (metric)	35.9 x 25 x 1.92 cm *(Dimensions vary by configuration)*
Product Dimensions (imperial)	14.13 x 9.84 x .76 in *(Dimensions vary by configuration)*
Weight (metric)	Starting at 1.76 kg *(Weight varies by configuration and components.)*
Weight (imperial)	Starting at 3.87 lb *(Weight varies by configuration and components.)*
Package Dimensions (metric)	504 x 305 x 63 mm
Package Dimensions (imperial)	19.84 x 12.01 x 2.48 in
Keyboard	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys and numeric keypad
Pointing Device	Clickpad with multi-touch gesture support
Integrated Camera	5 MP IR AI camera
External I/O Ports	1 HDMI 2.1; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)[12,13]
External I/O Ports 02	1 security lock slot; 1 RJ-45 Ethernet port; 1 USB Type-A 5Gbps signaling rate (powered); 1 USB Type-C® 20Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
Network Interface	Intel® I219-V GbE, non-vPro®
Wireless Technologies	Intel® Wi-Fi 7 BE201 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®
Power Supply Required	140 W USB Type-C® slim adapter[5]
Battery Type	HP Long Life 8-cell, 77 Wh Li-ion polymer
Battery Recharge Time	Supports battery fast charge: approximately 50% in 30 minutes[43]
Energy Star Certified	ENERGY STAR® certified
Sustainability Specifications	Low halogen; 40% post-consumer recycled plastic; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable
UPC Number	(ABM) 199251322198; (AKH) 199251322181

Top Recommended Displays, Accessories and Services

Series 7 Pro	
HP Series 7 Pro 27 inch 4K Thunderbolt 4 Monitor - 727pk	8J9G2AA
HP Series 7 Pro 31.5 inch 4K Thunderbolt 4 Monitor - 732pk	8Y2K9AA
Wired Headset	
Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter	8X223AA
Wireless Headset	
Poly Voyager Legend 50 Headset UC	AT9M9AA
Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter	9T9J3AA
Wireless Mice	
HP Ultra-Fast-Scroll Wireless Mouse 785M	B8YX4AA

Messaging Footnotes

[1] 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.

[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. Optional feature that must be configured at purchase. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.

[3] Optional feature that must be configured at purchase.

[6] 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 11 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. Microsoft Copilot requires Windows 11. Some features require an NPU. Timing and availability will be dependent on Microsoft and varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See http://aka.ms/WindowsAIFeatures.

[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. Optional feature that must be configured at purchase

[8] 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.

[5] Availability may vary by country.

[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] Thunderbolt™ 4 and USB4™ maximum speed of 40Gbps will be divided between the different data workstreams.

[13] HDMI cable sold separately.

[43] Recharges up to 50% within 30 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 100 watts required for battery capacities greater than 56Whr and less than 83Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 100Whr. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.

© Copyright 2026 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Core, Optane, Celeron, Pentium, Iris, XMM, and Thunderbolt are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. AMD, Ryzen, Athlon, and Radeon are trademarks of Advanced Micro Devices, Inc. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. NVIDIA and GeForce are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. McAfee and McAfee LiveSafe are trademarks or registered trademarks of McAfee LLC in the United States and other countries. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. All other trademarks are the property of their respective owners.