

# HP OmniBook 7 Laptop AI 16-ay0000nmx (D8ZL1EA)



## AI performance and portability with a brilliant 16" display[5].

Tough enough to meet demanding US military-grade standard testing[1], HP OmniBook 7 16 AI PC delivers durability, performance, and portability, powered by the latest AI-enhanced Intel® Core™ Ultra Processor[2] and a brilliant 16" display[5].



### **Military-grade-tested[1]. For the toughest tasks.**

Engineered and tested to withstand drops, bumps, and extreme temperatures so you can work from anywhere.

### **Fits your need for power and speed.**

Delivers AI power, an all-day, fast-charging battery, and all the ports you could want

### **Brilliant viewing**

A 16" display[5] delivers brilliant viewing and ultra smooth visuals

## Featuring

### **Get a fresh perspective**

From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way. [6]

### **Smarter. Faster. Lighter**

Gaming, creating, AI. Do it all on Intel® Core™ Ultra processors [7]

### **Anti-glare panel**

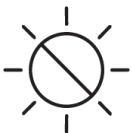
Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.

### **Low Blue Light**

Protect your eyes from harmful blue light with a low blue light display.

### **16:10 aspect ratio**

A 16:10 aspect ratio lets you see more of your content with less scrolling.



## Specifications

<b>Operating System Software</b>	Windows 11 Pro
<b>Product Color Description (fixed)</b>	Glacier silver aluminum
<b>Product Design</b>	Sandblasted anodized finish
<b>Processor Family</b>	Intel® Core™ Ultra 7 processor
<b>Processor Name</b>	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]
<b>Chipset</b>	Intel® integrated SoC
<b>Standard Memory Description 01</b>	32 GB DDR5-5600 MT/s (onboard)
<b>Hard Drive Description (01)</b>	1 TB PCIe® Gen4 NVMe™ M.2 SSD
<b>Graphics Card Segment 01</b>	Integrated
<b>GScardseg 01 Available Card 01</b>	Intel® Arc™ 140T GPU
<b>Display Description (metric)</b>	40.6 cm (16") diagonal, 2.5K (2560 x 1600), 60-240 Hz, 7 ms response time, IPS, micro-edge, anti-glare, Low Blue Light, 500 nits, 100% sRGB
<b>Display Description</b>	16" diagonal, 2.5K (2560 x 1600), 60-240 Hz, 7 ms response time, IPS, micro-edge, anti-glare, Low Blue Light, 500 nits, 100% sRGB
<b>Screen-To-Body Ratio (without speakers)</b>	88.24% <sup>[18]</sup>
<b>Audio Features</b>	DTS:X® Ultra; Dual speakers; HP Audio Boost; Poly Studio
<b>Product Dimensions (metric)</b>	35.78 x 25.48 x 1.5 cm
<b>Product Dimensions (imperial)</b>	14.09 x 10.03 x 0.59 in
<b>Weight (metric)</b>	1.91 kg
<b>Weight (imperial)</b>	4.23 lb
<b>Package Dimensions (metric)</b>	8 x 42.3 x 30.3 cm
<b>Package Dimensions (imperial)</b>	3.14 x 16.65 x 11.92 in
<b>Package Weight (metric)</b>	3.42 kg
<b>Package Weight (imperial)</b>	7.56 lb
<b>Keyboard</b>	Full-size, backlit, soft gray keyboard with numeric keypad
<b>Pointing Device</b>	HP Imagepad
<b>Camera</b>	5MP IR camera with temporal noise reduction and integrated dual array digital microphones
<b>External I/O Ports</b>	1 USB Type-A 10Gbps signaling rate; 1 USB Type-A 5Gbps signaling rate; 1 HDMI-out 2.1; 1 headphone/microphone combo; 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 2.1, HP Sleep and Charge); 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 1.4a, HP Sleep and Charge) <sup>[19]</sup>
<b>Expansion Slots</b>	2 M.2 (SSD)
<b>Wireless Technologies</b>	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card
<b>Power Supply Type</b>	100 W AC power adapter (recommended, sold separately)
<b>Battery Type</b>	4-cell, 70 Wh Li-ion polymer ([23])
<b>Battery Recharge Time</b>	Supports battery fast charge: approximately 50% in 30 minutes <sup>[5]</sup>
<b>Energy Star Certified</b>	ENERGY STAR® certified
<b>Sustainable Impact Specifications</b>	Ocean-bound plastic in speaker enclosure(s) and bezel; Recycled metal in cover, keyboard frame, base and hinge cap(s); Keyboard keycaps and scissors contain post-consumer recycled plastic
<b>Security Management</b>	Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
<b>Software Included</b>	McAfee Online Protection 30-day trial
<b>Software - Productivity &amp; Finance</b>	1 month trial for new Microsoft 365 customers <sup>[24]</sup>
<b>Cloud Service</b>	100 GB Dropbox storage for 3 months <sup>[1]</sup>
<b>UPC Number</b>	821844546611

## Top Recommended Displays, Accessories and Services

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### Power Adapters

HP 140W USB-C Laptop Charger

B7NM4AA

## Messaging Footnotes

[1] Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) 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 Pack.

[2] 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 is not a measurement of clock speed. 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. Potential NPU inferencing performance varies by use, configuration, and other factors.

[5] Display measured diagonally.

[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 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>.

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

## Technical Specifications Footnotes

[1] 100 GB of free Dropbox storage for 3 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.

[5] Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see <http://store.hp.com>). After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products.

[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.

[18] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

[24] Must activate within 180 days of Windows activation.

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