ProductSheet

HP OmniBook 7 Laptop Next Gen AI 17-dc0004nbx (E79FFEA)

An AI PC for the toughest conditions and toughest work.

The HP OmniBook 7 17.3 Next Gen AI PC, with a 17.3" touch display[5], was engineered to withstand demanding military standards[1] to perform in the toughest conditions. With the latest AI-powered Intel® Core™ Ultra Processor[2] it's also up for the toughest work.

Built with get-things-done grit
Work and study without worry of damage due to drops, bumps, or extreme temps with a durable PC.

Expand your world with AI-efficiency
Optimize performance and efficiency with the latest AI-boosted Intel® Processor[2].

Own it. Large and AI-in-charge.
Meet, present, and connect with vivid visuals and clear audio.

Featuring

Windows is fast, powerful, and secure
Windows 11 is fast, powerful, and secure, giving you a dependable foundation to work, create, and stay protected every day. [6]

Intel® Core™ Ultra Processors
Make the hard stuff easy with Intel® Core™ Ultra processors. Accelerate AI experiences across hundreds of apps. [7]

FHD IPS touchscreen
Always see your content at its best with 178° wide-viewing angles and a vibrant picture. And with touchscreen technology, you can control your PC right from the screen. [8]

16:9 aspect ratio
A 16:9 aspect ratio lets you see more of your content with less scrolling. [9]

Flicker-free
Using DC Dimming technology that controls brightness by adjusting direct current rather than cycling the backlight, we can eliminate screen flickering for more comfortable viewing. [10]

Specifications

Operating system	Windows 11 Home
Product color	Glacier silver aluminum
Product design	Sandblasted anodized cover and keyboard frame, matte paint base
Processor family	Intel® Core™ Ultra 7 Series 2 processor
Processor	Intel® Core™ Ultra 7 256V (up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 8 cores, 8 threads) [6,7]
Chipset	Intel® integrated SoC
Memory	16 GB LPDDR5x-8533 MT/s (onboard)
Internal Storage	512 GB PCIe® Gen4 NVMe™ M.2 SSD
Graphics	Integrated
Graphics (integrated)	Intel® Arc™ 140V GPU (8GB)
Display	43.9 cm (17.3") diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, 400 nits, 100% sRGB
Screen-to-body ratio (without speakers)	86%[18]
Audio	DTS:X Ultra™; Dual speakers; HP Audio Boost; Poly Studio
Dimensions (W x D x H)	39.61 x 25.86 x 1.53 cm
Weight	2.34 kg
Package dimensions (W x D x H)	8 x 46.1 x 30.3 cm
Package weight	3.62 kg
Keyboard	Full-size, backlit, soft gray keyboard with numeric keypad
Pointing device	HP Imagepad
Camera	5MP IR camera with temporal noise reduction and integrated dual array digital microphones
Ports	3 USB Type-A 10Gbps signaling rate; 1 HDMI 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)[19]
Wireless	Intel® Wi-Fi 7 BE201 (2x2) and Bluetooth® 5.4 wireless card
Power supply type	65 W AC power adapter (recommended, sold separately)
Battery type	6-cell, 83 Wh Li-ion polymer *([23])*
Battery life	Up to 12 hours and 15 minutes[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes[5]
Battery life video playback	Up to 22 hours and 15 minutes
Energy star certified	ENERGY STAR® certified
Sustainability specifications	Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic; Recycled metal in cover, keyboard frame and keyboard bracket
Security management	Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
Pre-installed software	Poly Camera Pro
Software included	McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; PC Game Pass 3-month trial
Software - Productivity & finance	1 month trial for new Microsoft 365 customers[24]
HP apps	HP Support Assistant; HP Connection Optimizer; HP Enhanced Lighting; HP AI Companion
Cloud service	100 GB Dropbox storage for 3 months[1]
UPC number	885981941647
Manufacturer Warranty	2 year (2/2/0) limited warranty includes 2 years of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

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] Battery life varies significantly by device and with settings, usage and other factors. See aka.ms/w11claims. Based on speedometer benchmark. Performance will vary significantly by device. See aka.ms/w11claims

[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 is not a measurement of higher performance. 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.

[8] Full high-definition (FHD) content is required to view FHD images.

[9] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[10] The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

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.

[3] MobileMark 25 Battery life will vary depending on various factors including 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 https://bapco.com/products/mobilemark-25/ for additional details.

[5] Recharges your battery up to 50% within 45 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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