



HP OmniBook Ultra Laptop Next Gen AI 14-kd0001nj (E86TSEA)



Overview

Performance meets ultra-thin, durability[1] for the AI era.

Break through AI workloads while multitasking seamlessly with the lightweight, ultra-thin HP OmniBook Ultra. This premium 14-inch laptop is designed for fast multitasking and AI-powered performance, ideal for those seeking a reliability for business, remote, and hybrid work. Its vivid 3K OLED[4] touchscreen[3] and durable[1] design make it a strong fit for professionals working from anywhere.



Slim enough to go. Strong enough to go further.

Take high performance anywhere with an ultra-thin, ultra-light design crafted from forged aluminum.



Smarter tools. Sharper you.

Unlock your potential with AI tools like adaptive intelligence, 3K OLED[4], an AI-powered camera[7], and immersive audio.



Uncompromised performance. Powered by you.

Break through AI workloads with Intel® Core™ Ultra[5] performance and advanced graphics[6] for smooth productivity.



Designed with purpose

HP OmniBook Ultra PCs contain up to 85% post-consumer recycled plastic in the keycaps[8].

Features



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.^[9]



Intel® Evo™

The Intel® Evo™ platform brings together the perfect combination of performance, responsiveness, battery life and stunning visuals in a new class of laptops. These designs are verified by Intel for an exceptional laptop experience, anywhere.^[11]



3K OLED display

See more of your screen with less scrolling with a 16:10 aspect ratio that delivers an optimized portrait view for a more comfortable way to read and browse.^[13]



Intel® Core™ Ultra 7 Series 3 processor

No tradeoffs. Intel® Core™ Ultra Series 3 processors deliver what matters: incredible battery life, powerful performance, and built-in graphics and AI to revolutionize how you create, game, and work anywhere. Feel the power of Intel Inside®.^[10]



Intel® Graphics

Stream your favorite shows, hop on video calls, and scroll through photo edits. All with smooth, responsive visuals. Built-in Intel® Graphics handle everyday entertainment and multitasking with ease, no extra GPU, no extra bulk.^[12]



Corning® Gorilla® Glass 3

Enhance your device's endurance with Corning® Gorilla® Glass 3, engineered for unparalleled scratch resistance. Helps reduce accidental damage with strong, more durable protection than most displays.

[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.

[3] Display measured diagonally.

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

[5] 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.

[6] Intel® Arc™ Graphics capabilities require system to be configured with Intel® Core™ Ultra processors with dual channel memory and at least with 16GB (and above) memory. Intel® Arc™ Graphics with Intel® Core™ Ultra processors with single channel memory will only function as Intel® Graphics brand.

[7] Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected.

[8] Percentage of ocean-bound plastic contained in each component varies by product.

[9] 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

[10] 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.

[11] 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.

[12] For more complete information on configurations and workloads, visit www.Intel.com/PerformanceIndex.

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

Specifications

Operating System Software	Windows 11 Home
Product Color Description (fixed)	Eclipse gray aluminum
Processor Family	Intel® Core™ Ultra 7 processor
Processor Name	Intel® Core™ Ultra 7 356H (up to 4.7 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 16 cores, 16 threads) ^[6,7]
Chipset	Intel® integrated SoC
Standard Memory Description 01	16 GB LPDDR5x-8533 MT/s (onboard)
Hard Drive Description (01)	512 GB PCIe® Gen5 NVMe™ M.2 SSD
Product Design	Sandblasted finish
Graphics Card Segment 01	Integrated
GScardseg 01 Available Card 01	Intel® Graphics
Display Description (metric)	35.6 cm (14") diagonal, 3K (2880 x 1800), OLED, multitouch-enabled, up to 120 Hz, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass 3, Low Blue Light, SDR 500 nits, HDR 1100 nits, 100% DCI-P3
Display Description	14" diagonal, 3K (2880 x 1800), OLED, multitouch-enabled, up to 120 Hz, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass 3, Low Blue Light, SDR 500 nits, HDR 1100 nits, 100% DCI-P3
Display Size (diagonal, metric)	35.6 cm (14")
Display Size (diagonal)	14"
Audio Features	Quad speakers; HP Audio Boost; Poly Studio; DTS:X Ultra™
Product Dimensions W x D x H (metric)	31.11 x 21.56 x 1.07 cm
Product Dimensions W x D x H (imperial)	12.25 x 8.49 x 0.42 in
Weight (metric)	1.27 kg
Weight (imperial)	2.81 lb
Keyboard	Full-size, backlit, darker eclipse gray opaque keyboard
Pointing Device	Haptic touchpad
Sensors	Accelerometer; Gyroscope; IR thermal sensor
Camera	5MP IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones
External I/O Ports	1 headphone/microphone combo; 3 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 2.1, HP Sleep and Charge) ^[19]
Package Dimensions W x D x H (metric)	6.3 x 45.8 x 28 cm
Package Weight (metric)	2.24 kg
Wireless Technologies	Intel® Wi-Fi 7 BE211 (2x2) and Bluetooth® 6.0 wireless card ^[12,46]
Power Supply Type	65 W USB Type-C® GaN power adapter
Battery Type	4-cell, 70 Wh Li-ion polymer (^[23])
Battery Life	Up to 20 hours and 45 minutes ^[3]
Battery Recharge Time	Supports battery fast charge: approximately 50% in 45 minutes ^[5]
Energy Star Certified	ENERGY STAR® certified

Sustainability Specifications	Ocean-bound plastic in speaker enclosure(s) and bezel; Recycled metal in cover, keyboard frame and base; Keyboard keycaps, scissors and keyboard plate contain post-consumer recycled materials
Security Management	Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
Software Included	McAfee Online Protection 30-day trial
Software - Productivity & Finance	1 month trial for new Microsoft 365 customers ^[24]
Cloud Service	100 GB Dropbox storage for 3 months ^[1]
UPC Number	704683196172

Additional specifications

ALC Package depth, metric	45.8
ALC Package height, metric	28
ALC Package width, metric	6.3
Aspect Ratio	16:10
Battery Capacity	70
Battery Capacity UOM	Wh
Battery Cells Number	4
Battery Type	Li-ion polymer
Bluetooth Version	Bluetooth® 6.0
Brightness (typical)	500 nits
Camera Infrared	IR
Camera Microphone	integrated dual array digital microphones
Camera Resolution	5
Camera Resolution UOM	MP
Certifications and Compliances	Military Standard Testing
Color	Eclipse gray
Display Bezel	Micro-edge
Display Brightness	500
Display Brightness UOM	nits
Display Color Gamut	100% DCI-P3
Display Description Short	14" diagonal 3K OLED touch display
Display Description Short (metric)	35.6 cm (14") diagonal 3K OLED touch display
Display Design	Edge-to-edge glass
Display Glass Type	Corning® Gorilla® Glass 3
Display Panel Technology	UWVA
Display Refresh Rate	120
Display Refresh Rate UOM	Hz
Display Resolution (Pixels)	2880 x 1800
Display Resolution Standard	3K
Display Response Time	0.2
Display Response Time UOM	ms

Display Size (Diagonal)	14
Display Size (Diagonal) UOM	..
Display Size (Diagonal, Metric)	35.6
Display Size (Diagonal, Metric) UOM	cm
Display Surface Treatment	Anti-glare
Display Touchscreen Type	Touch screen
Display Type	OLED
ECC Memory	non-ECC
Ecolabels	EPEAT® Gold with Climate+
Headphone/microphone combo	1
Keyboard Backlight	Backlit
Keyboard Color	Darker eclipse gray
Keyboard size	Full-size
Maximum Battery Life Video Playback	Up to 30 hours and 15 minutes
Memory Layout (Slots & Size)	onboard
Memory Size	16
Memory Size UOM	GB
Memory Speed	8533
Memory Speed UOM	MT/s
Memory Storage Simplified	16 GB memory;512 GB SSD storage
Memory Type	LPDDR5x
Neural Processing Unit (NPU)	Intel® AI Boost (50 NPU TOPS)
Package Dimensions W x D x H (imperial)	2.48 x 18.03 x 11.02 in
Package Weight (imperial)	4.94 lb
Package depth, imperial (ALC)	18.03
Package height, imperial (ALC)	11.02
Package width, imperial (ALC)	2.48
Packaging unit of measure (imperial)	in
Packaging unit of measure (metric)	cm

Performance Technology	Intel® Evo™ laptop
Playbook TS Icon Battery Life	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png
Playbook TS Icon Connectivity	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png
Playbook TS Icon Dimensions NB	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08250394.png
Playbook TS Icon Display NB	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08205649.png
Playbook TS Icon Graphics	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png
Playbook TS Icon Memory	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png
Playbook TS Icon OS	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png
Playbook TS Icon Processor	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png
Playbook TS Icon Storage	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png
Playbook TS Icon Weight Imperial	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png
Playbook TS Icon Weight Metric	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png
Playbook TS icon 2	https://hp.widen.net/content/spi72cb64c/png/High%20Res%20Mono%20Display_M0297581.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=dpmp26
Playbook TS icon 3	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169181.png
Playbook TS icon 4	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png
Playbook TS icon 5	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169240.png
Playbook TS icon 7	https://hp.widen.net/content/fl7epibsdn/png/HP%20AI%2020240126_HPAI_Logos-Stroke1_M2564925.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=dpmp26
Playbook TS icon 8	https://hp.widen.net/content/k9y22gng6s/png/Sustainability_Icon.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=8cmnty
Power Supply Type Icon	https://hp.widen.net/content/gzezjfu9ii/png/EU%20Common%20Charger%20%2065-100W%20%20%28Adapter%20included%29.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=dpmp26
Processor Brand	Intel®
Processor Cache Installed	18 MB L3
Processor Core	16
Processor Family (Short)	Core™ Ultra 7
Processor Frequency Technology	Intel® Turbo Boost Technology
Processor Maximum Frequency	4.7
Processor Maximum Frequency UOM	GHz
Processor Model	356H
Processor NPU Tops	50

Processor Threads	16
Product Brand Name	HP
Product Long Name Specifications	HP OmniBook Ultra Laptop Next Gen AI 14-kd0001nj, Windows 11 Home, 14", Touch screen, Intel® Core™ Ultra 7, 16GB RAM, 512GB SSD, 3K, Eclipse gray
Product Long Name Specifications V2	HP OmniBook Ultra Laptop Next Gen AI 14, Windows 11 Home, 14", Touch screen, Intel® Core™ Ultra 7, 16GB RAM, 512GB SSD, 3K, Eclipse gray
Product Short Name Specifications	HP OmniBook Ultra Laptop Next Gen AI 14-kd0001nj, 14", Intel® Core™ Ultra 7, 16GB RAM, 512GB SSD
Screen-To-Body Ratio (without speakers)	91% ^[18]
Software Included 1	Copilot in Windows with Copilot key
Storage Capacity 01	512
Storage Capacity UOM 01	GB
Storage Form Factor 01	M.2
Storage Interface 01	PCIe® Gen 5
Storage Interface Protocol 01	NVMe™
Storage Type 01	SSD
Storage type (filter)	SSD
Thunderbolt™ 4 ports	3
Touchscreen	Yes
UNSPSC Code	43211503
Wireless Antenna	2x2
Wireless Model	BE211
Wireless Standard	Wi-Fi 7
Wireless Supplier	Intel®

[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.

[12] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 2024, select Intel® Core™ or Intel® Core™ Ultra processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible 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.

[18] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. Calculated to the nearest whole percent may vary +/-0.5%.

[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.

[46] Bluetooth® 6.0 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 6.0 will function as Bluetooth® 5.4 or lower.

Accessories for PC

Power

★ : Recommended

Power Adapters

HP 65W GaN Wall Charger	C90CKUT
HP 65W GaN Wall Charger	C90MRAA

Bags

Topload Bags

HP Commute 13-14-inch Laptop Bag	D5CJ5AA
HP Commute 13-14-inch Laptop Bag	D5CK4AA
HP Commute 15-16-inch Laptop Bag	D5CK5AA
HP Commute 15-16-inch Laptop Bag	D5CN8AA

Backpacks

HP Commute 16-inch Laptop Backpack	D5CE6AA
HP Commute 16-inch Laptop Backpack	D5CG2AA
HP Commute 16-inch Laptop Backpack	D5CJ3AA
HP Commute 16-inch Laptop Backpack	D5CJ4AA
HP Commute 16-inch Laptop Backpack	D5UU7AA

Port Replicators/Dongles/Docking

Docking

HP USB-C 100W G6 Dock	BS7S5AA
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Audio

★ : Recommended

Wired Headset

HP Poly Mission 410 Monaural USB Wired Headset Customer Special 1	C01B7AA
HP Poly Mission 420 Stereo USB Wired Headset	D14Z3AA
HP Poly Mission 420 Stereo USB Wired Headset Customer Special 1	C01B8AA
HP Poly Mission 610 Monaural USB Wired Headset Customer Special 1	C01C9AA
HP Poly Mission 620 Stereo USB Wired Headset Customer Special 1	C01CBAA
HP Poly Mission 810 Monaural USB Wired Headset Customer Special 1	C01FGAA
HP Poly Mission 820 Stereo USB Wired Headset	D16LSAA
HP Poly Mission 820 Stereo USB Wired Headset Customer Special 1	C01FHAA
Poly Blackwire 3220 Stereo USB-C Headset +USB-C/A Adapter	93S87AA
Poly Blackwire 3220 USB-C Headset USB-C/A Adapter	B7SL7AA
Poly Blackwire 5220 Headset +3.5mm Plug USB-C/A Adapter	B7SL8AA
Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter	93S88AA

Speakerphones

Poly Sync 10 Speakerphone +USB-A to C Cable	B7SM0AA
Poly Sync 10 Speakerphone +USB-A to USB-C Cable	7S4M6AA

Wireless Headset

Poly Voyager 4310-M Headset UC	B7SL4AA
Poly Voyager 4310-M UC Headset +USB-C Cable +BT700 dongle	7Y210AA
Poly Voyager 4320-M Headset +USB-C Cable +BT700 dongle	7Y211AA
Poly Voyager 4320-M Headset UC	B7SL5AA
Poly Voyager Focus 2 USB-C-C Headset USB-C/A Adapter Charging Stand Customer Special 1	A58JDAA
Poly Voyager Focus 2 USB-C-C Headset USB-C/A Adapter Customer Special 1	A58JCAA
Poly Voyager Focus 2-M USB-C-C Headset USB-C/A Adapter Charging Stand	A4HT2AA
Poly Voyager Focus 2-M USB-C-C Headset USB-C/A Adapter Charging Stand Customer Special 1	A4HT5AA
Poly Voyager Focus 2-M USB-C-C Headset USB-C/A Adapter Customer Special 1	A4HT0AA
Poly Voyager Legend 30 Headset	AV4P5AA
Poly Voyager Legend 30 Headset Customer Special 1	AV4P6AA
Poly Voyager Legend 50 Headset	AV4P1AA
Poly Voyager Legend 50 Headset Customer Special 1	AV4N9AA
Poly Voyager Legend 50-M Headset UC	AV4P2AA
Poly Voyager Legend 50-M Headset UC Customer Special 1	AV4P0AA

Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Black Headset +USB-C/A Adapter

9D452AA

Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter

8H2G3AA

Monitors

HP Home Monitors

★ : Recommended

Series 3

HP Series 3 27 inch FHD Monitor - 327se	B7HS7AA
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Series 5

HP Series 5 31.5 inch FHD Monitor - 532sf	94F51A6
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