



HP OmniBook 5 Laptop AI 14-mh0005ndx (E75YLEA)

Overview

Built for what's next. Ready for every side of life.

Take on every side of your day with the HP OmniBook 5 14-inch Laptop. Built for what's next, it combines Windows compatibility, all-day battery life[1], built-in HDMI and USB-C® connectivity[3], a vibrant 2K OLED display[4], and a lightweight design that's easy to take anywhere.



Ready for wherever you are headed

Switch interests, projects, or plans without switching laptops. Windows compatibility helps you run what you need.



Ready for your downtime

Stream, game, and unwind with a vibrant 2K OLED[4] display, immersive audio, and AI-enhanced calls[5].



Ready for whatever the day demands

Connect displays, projectors, and more with built-in HDMI and USB-C®[3], no adapter required.



Designed with purpose

Thoughtfully designed with recycled metals[6] in its chassis. EPEAT Silver with Climate+[7] and ENERGY STAR® 9.0 certified.

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.^[8]



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.^[10]



16:10 aspect ratio

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



Intel® Core™ Series 3 processor

Turns out, you can have it all: incredible battery, favorite apps ready out of the box, epic streaming, seamless calls, and smart features. Intel® Core™ Series 3 processors bring premium to everyday laptops. That's the power of Intel Inside®.^[9]



100% DCI-P3

With 100% DCI-P3, experience a wider color range and cinema-grade visuals—richer reds, deeper greens, and vibrant color that elevates movies, photos, and creative work.^[11]



2K OLED touch display

Experience rich colors and crisp visuals for your everyday productivity with an OLED touch display, 1920x1200 resolution, and up to 300 nits of brightness.^[12]

[1] Battery life tested by HP using continuous Netflix video playback, Windows 10 Netflix app, 150 nits brightness, system audio level 17%, headphone attached, played full-screen, wireless on. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.

[3] Actual throughput may vary. USB Type-C® and USB-C® are 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.

[4] Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included.

[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 is not a measurement of higher performance.

[6] Recycled metal is expressed as a percentage of the total weight of metal as defined in the EPEAT criteria.

[7] Based on U.S. EPEAT registration according to the EPEAT criteria. EPEAT registered where applicable; tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.

[8] 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

[9] 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.

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

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

[12] 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	Windows 11 Home
Product color	Smoke silver aluminum
Processor family	Intel® Core™ 5 processor
Processor	Intel® Core™ 5 320 (up to 4.6 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 6 cores, 6 threads) ^[6,7]
Chipset	Intel® integrated SoC
Memory	8 GB LPDDR5-6400 MT/s (onboard)
Internal Storage	512 GB PCIe® Gen4 NVMe™ M.2 SSD
Product design	Sandblasted anodized finish
Graphics	Integrated
Graphics (integrated)	Intel® Graphics
Display	35.6 cm (14") diagonal, 2K (1920 x 1200), OLED, multitouch-enabled, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass 3, Low Blue Light, 300 nits, 100% DCI-P3
Display size (diagonal)	35.6 cm (14")
Audio	Dual speakers; Poly Studio; DTS:X Ultra™
Dimensions (W x D x H)	31.25 x 21.9 x 1.17 cm
Weight	1.16 kg
Keyboard	Full-size, backlit, smokey gray keyboard
Pointing device	HP Imagepad
Camera	1080p FHD IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones
Ports	1 HDMI-out 2.1; 1 headphone/microphone combo; 2 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 2.1, HP Sleep and Charge) ^[19]
Package dimensions (W x D x H)	6.3 x 44.1 x 27.1 cm
Package weight	1.75 kg
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card ^[12,46]
Power supply type	65 W AC power adapter (recommended, sold separately)
Battery type	3-cell, 60 Wh Li-ion polymer (<i>[23]</i>)
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes ^[5]
Energy star certified	ENERGY STAR® certified
Sustainability specifications	Recycled metal in cover, keyboard frame and base
Security management	Mic mute key; Trusted Platform Module (Firmware TPM) support
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 ^[24,50]
Cloud service	100 GB Dropbox storage for 3 months ^[11]
UPC number	885981882711
Manufacturer Warranty	1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Additional specifications

Additional information about HP	https://www.hp.com
Aspect ratio	16:10
Battery capacity	60
Battery capacity uom	Wh
Battery cells number	3
Battery type	Li-ion polymer
Bluetooth version	Bluetooth® 5.3
Brightness	300 nits
Camera Infrared	IR
Camera microphone	integrated dual array digital microphones
Camera resolution (vertical)	1080p
Camera resolution standard	FHD
Color	Smoke silver
Color gamut	100% DCI-P3
Datasheet photo 1	https://hp.widen.net/content/tll01hcmwq/png/Kudle_OmniBook_14_CS_SmokeSilver_TNT_NonBL_WIN11_Catalog_Front_8099304.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=o6zqz4
Datasheet photo 2	https://hp.widen.net/content/xru3kd0ib5/png/Kudle_OmniBook_14_CS_SmokeSilver_TNT_NonBL_WIN11_Catalog_FrontRight_8099353.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=o6zqz4
Datasheet photo 3	https://hp.widen.net/content/rgokzgovqy/png/Kudle_OmniBook_14_CS_SmokeSilver_TNT_NonBL_WIN11_Catalog_FrontLeft_8099154.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=o6zqz4
Datasheet photo 4	https://hp.widen.net/content/hyddx728u/png/Kudle_OmniBook_14_CS_SmokeSilver_TNT_NonBL_WIN11_Catalog_RearLeft_8099255.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=o6zqz4
Datasheet photo 5	https://hp.widen.net/content/lvm6svkibx/png/HP_care_pack_RGB_black.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=dpmp26
Display	35.6 cm (14") diagonal 2K OLED touch display
Display brightness	300
Display brightness uom	nits
Display panel technology	UWVA
Display resolution (pixels)	1920 x 1200
Display resolution standard	2K
Display response time	0.2
Display response time uom	ms
Display size (diagonal) uom	"
Display size (diagonal, imperial)	14
Display size (diagonal, metric)	35.6
Display size (diagonal, metric) uom	cm
Display touchscreen type	Touch screen
Display type	OLED
ECC memory	non-ECC
EPEAT registered	EPEAT Silver with Climate+ ^[55]
HDMI out – version	1.4b
HDMI –out	1
HP apps	HP Support Assistant; HP Connection Optimizer; OMEN Gaming Hub
Headphone/microphone combo	1
Keyboard backlight	Backlit

Keyboard color	Smokey gray
Keyboard size	Full-size
Memory and storage	8 GB memory;512 GB SSD storage
Memory layout (slots & size)	onboard
Memory size	8
Memory size uom	GB
Memory speed	6400
Memory speed uom	MT/s
Memory type	LPDDR5
Neural Processing Unit	Intel® AI Boost (16 NPU TOPS)
Package depth, metric (smallest possible size)	37.3
Package height, metric (smallest possible size)	27.1
Package width, metric (smallest possible size)	2.48
Packaging unit of measure (metric)	cm
Playbook TS icon 2	https://hp.widen.net/content/mtwwpastcd/png/Durability_M0304780.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=gipsca
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/c08205649.png
Playbook TS icon 6	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201986.png
Playbook TS icon OS	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png
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 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
Power Supply Type Icon	https://hp.widen.net/content/524uagtr9y/png/EU%20Common%20Charger%20%2065-100W%20%28Adapter%20NOT%20included%29.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=dpmp26
Processor Brand	Intel®
Processor NPU Tops	16
Processor cache	6 MB L3
Processor core	6
Processor family	Core™ 5
Processor frequency technology	Intel® Turbo Boost Technology
Processor maximum frequency	4.6
Processor maximum frequency uom	GHz
Processor model	320
Processor threads	6
Product brand name	HP

Product language options	#ABH
Product long name specifications	HP OmniBook 5 LaptopAI 14-mh0005ndx, Windows 11 Home, 14", Touch screen, Intel® Core™ 5, 8GB RAM, 512GB SSD, 2K, Smoke silver
Product long name specifications V2	HP OmniBook 5 LaptopAI 14, Windows 11 Home, 14", Touch screen, Intel® Core™ 5, 8GB RAM, 512GB SSD, 2K, Smoke silver
Product safety	https://support.hp.com/us-en/document/ish_6126692-6126777-16?openCLC=true ; HP REG 23010, 08028 Barcelona, Spain ; reg@hp.com
Product short name specifications	HP OmniBook 5 LaptopAI 14-mh0005ndx, 14", Intel® Core™ 5, 8GB RAM, 512GB SSD
Screen-to-body ratio (without speakers)	90% ^[18]
Software included	Copilot in Windows with Copilot key
Storage capacity	512
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage interface 01	PCIe® Gen 4
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
Technology logo 2	https://hp.widen.net/content/gy9lle9biw/png/Fast_Charge_RGB_black.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=dpmp26
Technology logo 3	https://hp.widen.net/content/clibqlw0gt/png/Epeat_Silver_Logo.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=dpmp26
Technology logo 4	https://hp.widen.net/content/x28kqzpb81/png/Energy%20Logo_M2615019.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=90qu1a
Technology logo 6	https://hp.widen.net/content/huhn8e8nbg/png/McAfee-TM-logo-red.png?w=400&h=400&position=c&color=ffffff00&quality=80&u=dpmp26
Touchscreen	Yes
UNSPSC code	43211503
USB Type-C	2
Wireless antenna	2x2
Wireless model	Wi-Fi 6E AX211
Wireless standard	Wi-Fi 6E
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.

[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] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where 6GHz is supported.

[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.

[46] Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower.

[55] Based on U.S. EPEAT registration according to the EPEAT criteria. EPEAT registered where applicable, tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.

Accessories for PC

Power

★ : Recommended

Power Adapters

HP 65W GaN Wall Charger	C90MRAA ★
HP USB-C 65W Laptop Charger	671R2AA ★

Keyboards/Other Input Devices

Wireless Keyboards

HP 490K Multi-Device Dual-Mode Keyboard	BD5F4AA
---	---------

Mice/Pens/Other Pointing Devices

Wireless Mice

HP 700 Rechargeable Wireless Mouse	AZ7B0AA
------------------------------------	---------

HP Home Monitors

★ : Recommended

Series 3

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

Disclaimer — Copyright

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. Qualcomm and Snapdragon are trademarks or registered trademarks of Qualcomm Technologies, Inc. and/or its subsidiaries. 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.

© 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.