

HP OmniBook Ultra Flip 14 inch 2-in-1 Laptop Next Gen AI PC

Product Spec Sheet



Operating System	Windows 11 Home [1] Windows 11 Pro
Processor(s)	Intel® Core™ Ultra 9 288V (up to 5.1 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 8 cores, 8 threads) [2] Intel® Core™ Ultra 7 258V (up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 8 cores, 8 threads) [2] Intel® Core™ Ultra 7 256V (up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 8 cores, 8 threads) [2] Intel® Core™ Ultra 5 226V (up to 4.5 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 8 cores, 8 threads) [2] Intel® AI Boost NPU
Performance Technology	Intel® Evo™ laptop
Graphics	Intel® Arc™ 140V GPU (16GB) for Intel® Core™ Ultra 9 288V, Intel® Core™ Ultra 7 258V Intel® Arc™ 140V GPU (8GB) for Intel® Core™ Ultra 7 256V Intel® Arc™ 130V GPU (8GB) for Intel® Core™ Ultra 5 226V
Memory	32 GB LPDDR5x-8533 MT/s (onboard) 16 GB LPDDR5x-8533 MT/s (onboard)
Internal Storage	2 TB PCIe® Gen4 NVMe™ Performance M.2 SSD [3] 1 TB PCIe® Gen4 NVMe™ Performance M.2 SSD [3] 1 TB PCIe® Gen4 NVMe™ M.2 SSD [3] 512 GB PCIe® Gen4 NVMe™ M.2 SSD [3]
Display	35.6 cm (14") diagonal, 3K (2880 x 1800), OLED, multitouch-enabled, 48-120 Hz, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass 5, Low Blue Light, SDR 400 nits, HDR 500 nits, 100% DCI-P3 Variable Refresh Rate support [4] VESA HDR 600 [5] TUV+Eyesafe® Display for Low Blue Light [6] [7] Flicker-free [8] Delta E < 2
Screen-To-Body Ratio	90.04% [9]
Webcam	9MP IR AI camera with temporal noise reduction and integrated dual array digital microphones [10]
Audio	poly studio; Quad speakers; DTS:X® Ultra, HP Audio Boost
Input/Connectivity	2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1, HP Sleep and Charge) 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4a, HP Sleep and Charge) [11]

	1 headphone/microphone combo
Wireless technology	Intel® Wi-Fi 7 BE201 (2x2) and Bluetooth® 5.4 wireless card [12] [13] Modern Standby (Connected) HP Extended Range Wireless LAN [14]
Battery Life & Power	Estimated up to 16 hours 30 minutes (MM25) [15] Up to 20 hours and 30 minutes (video playback) [16] 6-cell, 64 Wh Li-ion polymer [17] 65 W USB Type-C® power adapter
Battery Recharge Time	Supports battery fast charge: approximately 50% in 45 minutes [18]
Weight and Dimensions	2.97 lbs 12.35 (W) x 8.51 (D) x 0.59 (H) in
Color	Atmospheric blue, Eclipse gray
Security and Protection	HP Wolf Security for consumers [19], support fingerprint reader combined with power button for more intuitive experience, On/Off latch on top of camera, mic mute key, Trusted Platform Module (Discrete TPM) support
Sustainable Impact Specifications	Recycled metal in A,C,D covers, hinge cap(s), drop jaw, keyboard supporting plate; Keyboard components contain post-consumer recycled plastic in keycaps, scissors; Ocean-bound plastic in bezel, speaker enclosure(s); Outer box, inside fiber cushions 100% sustainably sourced, recyclable; EPEAT Gold with Climate+ and ENERGY STAR® certified [20] [21] [22] [23] [24]
Productivity and Tools	• Free update to Microsoft Copilot+ PC experiences [25] • HP AI Companion ○ Ask, discover, and get intelligent assistance ○ Analyze and query your personal files ○ Perform at your best with an HP PC settings and support assistant • HP Wolf Security for consumers [19] ○ Industry-leading protection and capabilities of Wolf Security found on HP's commercial devices ○ Unique security chip allows the PC's core to self-heal from the latest cyberattacks by humans or AI • Smart Sense [26] ○ Automatically adapts system to your demands by machine learning with optimization for performance, fan noise, temperature ○ Based on application you are using, laptop placement • Productive, clear video calls ○ 9MP camera and Hardware-enabled low light adjustment and Auto Switch HDR for clear images even in low light or bright light ○ Poly Camera Pro [27] ○ Windows Studio Effects [28] ○ AI noise removal • AI features: Gestures, on-the-go privacy, security, wellbeing ○ Hand gestures ▪ Page Scroll up/down documents or browsers, page up/down in PowerPoint presentations ▪ Volume Adjust for volume up/down ▪ Photo Scroll, and Pause/Resume videos and music ○ Lock on leave, Wake on approach, Adaptive Dimming ○ Screen time and distance reminders

Disclaimers:

- [1] Win Home *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>.
- [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, 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.
- [3] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of system disk is reserved for system recovery software.
- [4] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- [5] DisplayHDR™ is the high-performance Display Compliance Test Specification from VESA specifying HDR (High Dynamic Range) quality. See <http://displayhdr.org> for more details. Peak luminance may vary per HDR certification.
- [6] TUV Low Blue Light is the Display Compliance Test Specification quality. See <https://www.certipedia.com/?locale=en#search> for more details.
- [7] Eyesafe® Display for Low Blue Light is the Display Compliance Test Specification quality. See <https://eyesafe.com> for more details.
- [8] The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights or LED emissions. OLED panel is functional with DC-DIMMING when above 100nits.
- [9] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.
- [10] Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected.
- [11] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.
- [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 compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility 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.
- [13] Bluetooth® 5.4 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.4 will function as Bluetooth® 5.3 or lower.
- [14] Coverage and Throughput improvements with Dynamic Antenna Gain feature enabled based on outdoor free space environment using Friis formula. Dynamic Antenna Gain is a feature under HP Extended Range Wireless Lan. Dynamic Antenna Gain feature is available in EU Red Countries covered by EU and China approval.
- [15] Estimated 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.
- [16] Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 200 nits brightness, system audio level as image default, player audio level at 100%, played full-screen from local storage, headphone attached or through speaker (if no audio jack port), wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.
- [17] Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.
- [18] Recharges your battery up to 50% within 45 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. 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. See <http://store.hp.com> for a full list of product features.
- [19] Select capabilities require BIOS configuration.
- [20] Laptops manufactured with recycled metal material in product cover. Percentage of recycled metal varies by product.
- [21] Keyboard keycaps contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.
- [22] Percentage of ocean-bound plastic contained in each component varies by product.
- [23] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
- [24] See www.epeat.net for registration status and tier levels by country.
- [25] Copilot+ PC experiences are coming. Requires free updates available starting late November 2024. Timing varies by device and region. See aka.ms/copilotpluspcs.
- [26] HP Smart Sense is available on select HP PCs with Windows 10 Pro and higher and is not available with Windows 10 Home.
- [27] Poly Camera Pro requires Windows OS.
- [28] Windows Studio Effects (background blur, eye contact, and automatic framing) are hardware dependent and require a qualified Neural Processing Unit (NPU).