

HP Spectre x360 2-in-1 Laptop 14-ef2046nn (9Z8L8EA)



Crafted to combine the performance and design you crave

Stunning craftsmanship meets powerful performance with the HP Spectre x360 13.5". The 360° design rotates for the perfect position, while the dynamic camera features let you look your best live. This powerful machine evolves your laptop experience with the Intel® Evo™ certified Platform[2], and Intel® Unison™[1] for freedom to work across operating systems.



Dynamic, premium video chat experience

Look your best on HP Presence[3] with Appearance Filter, Backlight Adjustment plus physical privacy shutter.

The latest technology

Powerful, versatile with a 13th Gen Intel® Core™ Processor, 360° design plus 3:2 aspect ratio[4] to see more in new ways.

Because little things make a big difference

The sustainable design contains ocean-bound plastics, recycled aluminum[5] and EPEAT® Gold & ENERGY STAR® ratings[6].

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. [7]

Extend beyond performance to let your PC do even more at once

Offering more than just a performance score. 13th Gen Intel® Core™ Processors advance real-world computing and deliver more ultra-efficient multi-tasking. [8]

Intel® Iris® X® graphics

Impressive performance for creating, gaming, and entertainment. A new level of graphics performance and crisp, stunning visuals – with the convenience of a thin & light laptop. [9]

3:2 aspect ratio

See more of the web with less scrolling. A 3:2 aspect ratio delivers an optimized portrait view for a more comfortable way to read or surf. [4]

HP Sure View Reflect

With the press of a button on your keyboard, your screen will appear copper tinted to protect your private data from prying eyes. Press again to share your screen with those around you. [10]



Specifications

Operating system	Windows 11 Home
Product color	Nocturne blue aluminum, celestial blue accents
Processor family	13th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-1355U (up to 5.0 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) [6,7]
Chipset	Intel® integrated SoC
Memory	32 GB LPDDR4x-4266 MHz RAM (onboard)
Internal Storage	1 TB PCIe® Gen4 NVMe™ TLC M.2 SSD
Product design	Sandblasted, anodized finish
Graphics	Integrated
Graphics (integrated)	Intel® Iris® X ^e Graphics
Display	34.3 cm (13.5") diagonal, WUXGA+ (1920 x 1280), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass NBT™, Low Blue Light, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen
Display	13.5" diagonal, WUXGA+ (1920 x 1280), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass NBT™, Low Blue Light, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen
Display size (diagonal)	34.3 cm (13.5")
Display size (diagonal)	13.5"
Audio	Audio by Bang & Olufsen; Quad speakers; HP Audio Boost
Minimum dimensions (W x D x H)	29.8 x 22.04 x 1.69 cm
Minimum dimensions (W x D x H)	11.73 x 8.68 x 0.67 in
Weight	1.36 kg
Weight	3.01 lb
Keyboard	Full-size, backlit, nocturne blue keyboard
Pointing device	HP Imagepad with multi-touch gesture support
Input devices	Accelerometer; eCompass; Color temperature light sensor; Gyroscope; IR thermal sensor
Camera	HP True Vision 5MP IR camera with camera shutter, temporal noise reduction and integrated dual array digital microphones
Ports	1 USB Type-A 10Gbps signaling rate (HP Sleep and Charge); 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 headphone/microphone combo ^[19]
Expansion slots	1 microSD media card reader
Package dimensions (W x D x H)	14.8 x 38.5 x 31.5 cm
Package weight	3.41 kg
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) ^[11,12,46]
Power supply type	65 W USB Type-C® power adapter
Battery type	4-cell, 66 Wh Li-ion polymer (^[23])
Battery life	Up to 16 hours ^[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes ^[5]
Ecolabels (series fixed)	EPEAT® Gold registered
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard mechanism made from agriculture waste; Recycled metal in cover, keyboard frame, base, hinge cap(s) and drop jaw; Keyboard keycaps made with post-consumer recycled plastic
Security management	All-in-One keyboard; Trusted Platform Module (Discrete TPM) support
Software included	McAfee Online Protection 30-day trial
Software - Productivity & finance	1 month trial for new Microsoft 365 customers ^[24]
Cloud service	25 GB Dropbox storage for 12 months ^[1]
UPC number	198122529339

Top Recommended Displays, Accessories and Services

HP Home Monitors

HP U32 4K HDR Monitor	368Y5AA
HP U28 4K HDR Monitor	1Z979AA

Port Replicators

HP Universal USB-C Multiport Hub	50H55AA
HP Universal USB-C Multiport Hub	50H98AA

Mice

HP 430 Multi-Device Wireless Mouse	3B4Q2AA
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Battery Adapters and Chargers

HP USB-C 65W Laptop Charger	671R2AA
HP USB-C 65W Laptop Charger	671R3AA

Messaging Footnotes

- [1] Intel® Unison™ solution is currently only available on eligible Intel® Evo™ designs on Windows-based PCs and only pairs with Android- or iOS-based phones; all devices must run a supported OS version. See intel.com/performance-evo for details, including set-up requirements. Results may vary.
- [2] Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.
- [3] Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included.
- [4] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
- [5] Laptops manufactured with recycled ocean-bound plastic material in product speaker enclosures and bezel, recycled aluminum material in product cover and post-consumer recycled plastic in the keyboard caps. Percent of recycled materials contained in each component varies by product.
- [6] Based on most Gold and Silver EPEAT® registrations by meeting all required criteria and achieving 50-74% of the optional points for EPEAT® Silver and 75-100% of the optional points for EPEAT® Gold according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
- [7] 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>.
- [8] 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.
- [9] Intel and Iris are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. Intel, the Intel logo and Iris are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.
- [10] Integrated privacy screen protects data.

Technical Specifications Footnotes

- [1] 25 GB of free Dropbox storage for 12 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] Windows MobileMark 18 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-2018-v1-5/> for additional details.
- [5] 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.
- [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.
- [11] Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately.
- [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.
- [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.

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