# HP Spectre x360 2-in-1 Laptop 14-ef2074TU (97R96PA)

## Overview

**Crafted to combine the performance and design you crave**

Stunning craftmanship 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.

### Because little things make a big difference

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

### 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.

# Features

## 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® Xᵉ 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]

## WUXGA+ IPS touchscreen

Intuitive touchscreen technology lets you control your PC right from the screen. And transform your content with 1920 x 1080 resolution and 178° wide-viewing angles.

## Ocean-bound plastic

Built with the environment in mind, our laptop design includes sustainable materials like ocean-bound plastic in the speaker enclosure.[10]

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

# Specifications

| | |
|---|---|
| Operating system | Windows 11 Pro |
| Product color | Natural silver aluminum |
| 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 | 16 GB LPDDR4x-4266 MHz RAM (onboard) |
| Internal Storage | 512 GB 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, anti-reflection Corning® Gorilla® Glass NBT™, Low Blue Light, 400 nits, low power, 100% sRGB |
| Display | 13.5" diagonal, WUXGA+ (1920 x 1280), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, anti-reflection Corning® Gorilla® Glass NBT™, Low Blue Light, 400 nits, low power, 100% sRGB |
| 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, natural silver 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) |
| **Power supply type** | 65 W USB Type-C® power adapter |
| **Battery type** | 4-cell, 66 Wh Li-ion polymer<br>*([23])* |
| **Battery life** | Up to 18 hours[3] |
| **Battery recharge time** | Supports battery fast charge: approximately 50% in 45 minutes[5] |
| **Ecolabels** | 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 LiveSafe™ |
| **Software – Productivity & finance** | 1 month trial for new Microsoft 365 customers[24] |
| **Cloud service** | 25 GB Dropbox storage for 12 months[1] |
| **UPC number** | 197961096941 |

# Additional specifications

| | |
|---|---|
| Aspect ratio | 3:2 |
| Battery capacity | 66 |
| Battery capacity uom | Wh |
| Battery cells number | 4 |
| Battery life video playback | Up to 20 hours and 15 minutes |
| Battery type | Li-ion polymer |
| Bluetooth version | Bluetooth® 5.3 |
| Brightness | 400 nits |
| Camera Infrared | IR |
| Camera brand | HP True Vision |
| Camera microphone | integrated dual array digital microphones |
| Camera resolution | 5 |
| Camera resolution uom | MP |
| Camera security | camera shutter |
| Color | Natural silver |
| Color gamut | 100% sRGB |
| Display | 34.3 cm (13.5") diagonal WUXGA+ touch display |
| Display | 13.5" diagonal WUXGA+ touch display |
| Display bezel | micro-edge |
| Display brightness | 400 |
| Display brightness uom | nits |
| Display design | edge-to-edge glass |
| Display glass type | anti-reflection Corning® Gorilla® Glass NBT™ |
| Display panel technology | IPS |
| Display resolution (pixels) | 1920 x 1280 |
| Display resolution standard | WUXGA+ |
| Display size (diagonal) uom | " |
| Display size (diagonal, imperial) | 13.5 |
| Display size (diagonal, metric) | 34.3 |
| Display size (diagonal, metric) uom | cm |
| Display touchscreen type | touch screen |
| Fingerprint reader | Fingerprint reader |

| | |
|---|---|
| Flicker-free | Yes[45] |
| Headphone/microphone combo | 1 |
| Keyboard backlight | backlit |
| Keyboard color | natural silver |
| Keyboard size | Full-size |
| Memory and storage | 16 GB memory; 512 GB SSD storage |
| Memory layout (slots & size) | onboard |
| Memory size | 16 |
| Memory size uom | GB |
| Memory speed | 4266 |
| Memory speed uom | MHz |
| Memory type | LPDDR4x |
| Number of User-accessible Memory Slots | 0 |
| Package depth, imperial (extended size) | 16.73 |
| Package depth, imperial (most common size) | 15.15 |
| Package depth, metric (extended size) | 42.5 |
| Package depth, metric (most common size) | 38.5 |
| Package dimensions (W x D x H) | 5.82 x 15.15 x 12.4 in |
| Package height, imperial (extended size) | 12.4 |
| Package height, imperial (most common size) | 12.4 |
| Package height, metric (extended size) | 31.5 |
| Package height, metric (most common size) | 31.5 |
| Package weight | 7.52 lb |
| Package width, imperial (extended size) | 5.82 |
| Package width, imperial (most common size) | 5.82 |
| Package width, metric (extended size) | 14.8 |
| Package width, metric (most common size) | 14.8 |

| | |
|---|---|
| Packaging unit of measure (imperial) | in |
| Packaging unit of measure (metric) | cm |
| Performance technology | Intel® Evo™ laptop |
| Playbook TS icon OS | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png |
| Playbook TS icon battery life | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png |
| Playbook TS icon connectivity | http://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 | http://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 | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png |
| Playbook TS icon weight imperial | http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png |
| Playbook TS icon weight metric | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png |
| Processor Brand | Intel® |
| Processor cache | 12 MB L3 |
| Processor core | 10 |
| Processor family | Core™ i7 |
| Processor frequency technology | Intel® Turbo Boost Technology |
| Processor generation | 13th Generation |
| Processor maximum frequency | 5.0 |
| Processor maximum frequency uom | GHz |
| Processor model | 1355U |
| Processor threads | 12 |
| Product brand name | HP |
| Product long name specifications | HP Spectre x360 2-in-1 Laptop 14-ef2074TU, Windows 11 Pro, 13.5", touch screen, Intel® Core™ i7, 16GB RAM, 512GB SSD, WUXGA+, Natural silver |
| Product long name specifications V2 | HP Spectre x360 2-in-1 Laptop 14, Windows 11 Pro, 13.5", touch screen, Intel® Core™ i7, 16GB RAM, 512GB SSD, WUXGA+, Natural silver |
| Product short name specifications | HP Spectre x360 2-in-1 Laptop 14-ef2074TU, 13.5", Intel® Core™ i7, 16GB RAM, 512GB SSD |
| Screen-to-body ratio (without speakers) | 90.11%[18] |
| Storage capacity | 512 |
| Storage capacity uom 01 | GB |

| | |
|---|---|
| **Storage form factor 01** | M.2 |
| **Storage interface 01** | PCIe® |
| **Storage interface protocol 01** | NVMe™ |
| **Storage memory technology 01** | TLC |
| **Storage type** | SSD |
| **Storage type 01** | SSD |
| **Thunderbolt™ 4 ports** | 2 |
| **Touchscreen** | Yes |
| **UNSPSC code** | 43211503 |
| **USB Type-A** | 1 |
| **Wireless Model** | Wi-Fi 6E AX211 |
| **Wireless antenna** | 2x2 |
| **Wireless standard** | Wi-Fi 6E |
| **Wireless supplier** | Intel® |
| **Wireless transfer speeds** | Supporting Gigabit data rate |

*[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.*

*[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.*

*[45] 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.*

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