# HP Spectre x360 2-in-1 Laptop 16-f2019TX (97R98PA)



## Designed to make you look good with uncompromised connection

The HP Spectre x360 Laptop is powered by an Intel® Processor[2] that adapts to you for superior multi-tasking. With a taller display, you can view more content with less scrolling. Look your best thanks to an intelligent 5MP camera[3] that keeps you in-frame and well-lit. Plus, protect your well-being with screen time and distance reminders.



#### 5MP camera with Auto Frame and Appearance Filter

Look your best on video calls with an intelligent 5MP camera[3] with Backlight Adjustment and Auto Frame.

#### Screen reminders to help protect your well-being

With screen time[4] and distance reminders, you know when it's time to take a screen break or if you're too close.

## Help protect our shared future

Because better feels better, we've included ocean-bound plastic[5] and recycled aluminum[6] in this PC design.

#### **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 realworld computing and deliver more ultra-efficient multi-tasking. [2]

#### 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. [8]

### 3K+ IPS touchscreen display

3072 x 1920 resolution delivers incredible details and lifelike colors. And with touch, you can control your PC right from the screen.  $^{[9]}$ 

#### Eyesafe® Certified Display

Eyesafe® certified displays meet TÜV low blue light requirements and Eyesafe® standards for protecting your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.









## **Specifications**

| Operating system                  | Windows 11 Pro  |
|-----------------------------------|---|
| Product color                     | Nightfall black aluminum, pale brass accents  |
| Processor family                  | 13th Generation Intel® Core™ i7 processor   |
| Processor                         | Intel® Core™ i7-1360P (up to 5.0 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 12 cores, 16 threads) <sup>[6,7]</sup>   |
| Chipset                           | Intel® integrated SoC   |
| Memory                            | 16 GB DDR4-3200 MHz RAM (onboard)   |
| Internal Storage                  | 512 GB PCIe® Gen4 NVMe™ TLC M.2 SSD   |
| Product design                    | Sandblasted, anodized finish  |
| Graphics                          | Discrete  |
| Graphics (discrete)               | Intel® Arc™ A370M Graphics (4 GB GDDR6 dedicated)   |
| Graphics                          | Integrated  |
| Graphics (integrated)             | Intel® Iris® X° Graphics  |
| Display                           | 40.6 cm (16") diagonal, 3K+ (3072 x 1920), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, anti-<br>reflection Corning® Gorilla® Glass NBT™, Low Blue Light, 400 nits, 100% sRGB   |
| Display                           | 16" diagonal, 3K+ (3072 x 1920), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, anti-reflection<br>Corning® Gorilla® Glass NBT™, Low Blue Light, 400 nits, 100% sRGB  |
| Display size (diagonal)           | 40.6 cm (16")   |
| Display size (diagonal)           | 16"   |
| Audio                             | Audio by Bang & Olufsen; Quad speakers; HP Audio Boost  |
| Minimum dimensions (W x D x H)    | 35.8 x 24.53 x 1.99 cm  |
| Minimum dimensions (W x D x H)    | 14.09 x 9.66 x 0.78 in  |
| Weight                            | 2.15 kg   |
| Weight                            | 4.74 lb   |
| Keyboard                          | Full-size, backlit, nightfall black keyboard  |
| Pointing device                   | HP Imagepad with multi-touch gesture support  |
| Input devices                     | Accelerometer; AI chip; 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 HDMI 2.1; 1 AC smart pin; 1 headphone/microphone combo <sup>[19]</sup> |
| Expansion slots                   | 1 microSD media card reader   |
| Package dimensions (W x D x H)    | 13.6 x 43.1 x 33 cm   |
| Package weight                    | 4.38 kg   |
| Wireless                          | Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) <sup>[11,12,46]</sup>   |
| Power supply type                 | 135 W Smart AC power adapter  |
| Battery type                      | 6-cell, 83 Wh Li-ion polymer<br>([23])  |
| Battery life                      | Up to 15 hours <sup>[3]</sup>   |
| Battery recharge time             | Supports battery fast charge: approximately 50% in 30 minutes <sup>[5]</sup>  |
| 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 <sup>[24]</sup>   |
| Cloud service                     | 25 GB Dropbox storage for 12 months <sup>[1]</sup>  |
| UPC number                        | 197961096965  |
|                                   |   |

## **Top Recommended Displays, Accessories and Services**

| HP Home Monitors                   |         |
|------------------------------------|---------|
| HP U28 4K HDR Monitor              | 1Z979AA |
| Port Replicators                   |         |
| HP Travel USB-C Multi Port Hub     | 1C1Y5AA |
| HP USB-C Travel Hub G2             | 235N8AA |
| Mice                               |         |
| HP 930 Creator Wireless Mouse      | 1D0K9AA |
| HP 430 Multi-Device Wireless Mouse | 3B4Q2AA |
| Battery Adapters and Chargers      |         |
| HP USB-C 65W Laptop Charger        | 671R2AA |
| HP USB-C 65W Laptop Charger        | 671R3AA |

#### **Messaging Footnotes**

- [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 is not a measurement of higher performance.
- [3] Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included.
- [4] Screen time reminder include: Screen Distance Reminder, Auto Screen Dimming, Adaptive Color, EyeSafe Certified panels (100%).
- [5] Laptops manufactured with ocean-bound plastic material in product speaker enclosures and keyboard keycaps contain post-consumer recycled plastic. Percent of recycled materials contained in each component varies by product. Outer Boxes and Fiber Cushions with 100% sustainably sourced and recyclable packaging.
- [6] Laptops manufactured with recycled aluminum material in product cover. Percent of recycled aluminum varies by product.
- [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] 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.
- [9] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.

#### **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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