

HP Spectre x360 13-ac023dx



**Seductive power.
Take it for a spin.**

Meticulously crafted from the inside out, the Spectre x360 redefines what you expect from technology with four unique modes on the thinnest convertible PC we've ever made.



Product overview

- **Astounding power. Exceptional endurance.** Get way more done with up to 14 hours and 15 minutes of mixed usage battery life,⁽⁷⁰⁾ HP Fast Charge,⁽⁷⁴⁾ and a lightning-fast Intel® Core™ processor.
- **Exhilarate your creative side:** View and edit high resolution photos on a Full HD display,⁽³⁹⁾ or sketch and draw with your active pen and Windows Ink.⁽⁶⁰⁾
- **Enticing Audio:** Quad HP Speakers, HP Audio Boost, and expert tuning by Bang & Olufsen bring audio perfection to your PC.
- **Windows Ink:** Naturally drive content, ideas, and drawings forward with digital pen-based computing and Windows Ink.⁽⁶⁰⁾ Seamlessly jot down notes in Office, or draw on a collection of apps.

Key specifications

- **Operating system:** Windows 10 Home⁽¹⁾
- **Processor:** 7th Generation Intel® Core™ i7-7500U Processor⁽²⁸⁾
- **Display:** 13.3" diagonal FHD⁽³⁹⁾ UWVA BrightView WLED-backlit narrow bezel multitouch-enabled edge-to-edge glass (1920 x 1080)
- **Memory:** 16 GB LPDDR3 SDRAM (onboard)
- **Solid-State Drive:** 512 GB PCIe® NVMe™ M.2 Solid State Drive⁽¹⁵⁾
- **Graphics:** Intel® HD Graphics 620⁽¹⁴⁾
- **Audio:** Bang & Olufsen with quad speakers
- **Battery life:**
 - Up to 14 hours and 15 minutes (mixed usage)⁽⁷⁰⁾
 - Up to 12 hours and 15 minutes (video playback)⁽⁷⁵⁾
- **Webcam:** Front-facing HP TrueVision FHD IR Webcam with integrated dual array digital microphones⁽⁸⁹⁾
- **Product weight:** 2.89 lb⁽⁷⁶⁾
- **Wireless:** 2x2 802.11 ac WLAN^(19a) and Bluetooth®⁽²⁶⁾
- **Keyboard:** Full-size island-style backlit keyboard
- **Included:** Stylus pen in natural silver

Product features

- **Windows 10 Home:** Do great things with Windows Hello and Cortana.⁽¹⁾⁽⁶⁰⁾
- **7th generation Intel® Core i7 processor:** Powerful performance easily keeps up with all your multitasking demands and enables new ways to interact with your PC.
- **Intel® HD Graphics:** Renders all the visuals on screen with smooth, vivid quality.
- **Micro Edge display:** The barely visible bezel revolutionizes your display by letting a larger screen fit into a smaller frame.
- **Full HD touchscreen:** Intuitive touchscreen technology and the crystal-clear visuals of vibrant Full HD.⁽³⁹⁾
- **Brilliant BrightView panel:** Get the ideal indoor visual experience with a bright, clear picture.
- **An exceptionally rich audio experience:** Quad HP Speakers, HP Audio Boost, and expert tuning by Bang & Olufsen bring audio perfection to your PC.
- **PCIe SSD storage:** PCIe solid state storage with up to 17x faster performance than a traditional notebook hard drive.⁽⁵⁸⁾
- **HP TrueVision FHD IR Camera:** The infrared sensor lets you securely log in to your computer with Windows Hello.⁽⁸⁹⁾
- **Rock-solid connections:** With the latest 802.11 a/c (2x2) WLAN adapter and Bluetooth® 4.2, all your connections are rock solid.^(19a)
- **HP Fast Charge:** Go from 0 to 90% charge in approximately 90 minutes.⁽⁷⁴⁾
- **USB-C™ Thunderbolt:** Charge, connect a display, or transfer data at a blazing 40Gbs.⁽⁴¹⁾⁽⁴²⁾

- **Machined aluminum design:** The seamless unibody design, carefully chiseled by CNC machines, provides durability and artful refinement.
- **360° geared hinge:** Innovatively engineered to rotate 360° so that you can use your device in four modes
- **Experience the advanced digital assistant, Cortana.** Utilize dual microphones and HP premium speakers to help become more productive with Cortana, and HP collaboration and conferencing solutions.⁽⁶⁰⁾
- **Leave passwords behind.** Say hello to a new way to securely login without passwords using Windows Hello.
- **McAfee® LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe trial.⁽⁸⁾

Energy efficiency your way

HP is committed to global citizenship and environmental responsibility. Do the environment—and your wallet—a favor when you use the HP Spectre x360 that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified⁽⁶²⁾
- EPEAT® Silver registered⁽²⁷⁾
- Low Halogen⁽⁶¹⁾
- Arsenic-free display glass
- All HP computing products are delivered by SmartWay carriers.⁽⁶³⁾
- Recycled Packaging: Count on easy recycling every time. HP designs products and packaging that can be conveniently recycled or reused.⁽³¹⁾

Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

Included with your product:

- **HP's Hardware Limited Warranty:** Full warranty details are included with your product.
- **Technical Support for Software & initial set-up:** Warranty details are included with your product.

Support Options:

- **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.⁽⁵⁶⁾⁽⁵⁷⁾
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.⁽⁹⁾
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Forum at hp.com/go/supportforum, on Twitter at twitter.com/HPSupport, and Facebook at facebook.com/HPSupport.⁽⁹⁾



BANG & OLUFSEN AUDIO

Specifications

Operating system	• Windows 10 Home⁽¹⁾
Processor	• 7th Generation Intel® Core™ i7-7500U Processor ^(2b) • Dual-Core
Processor speed	• 2.7GHz base frequency, up to 3.5GHz with Intel® Turbo Boost ^{(2b)(2g)}
Processor cache	• 4MB L3 cache
Memory	• 16 GB LPDDR3 SDRAM (onboard)
Accessible memory slots	• Memory slot not user accessible
Video graphics	• Intel HD Graphics 620 with up to 8258 MB total graphics memory ⁽¹⁴⁾
Solid-state drive	• 512 GB PCIe® NVMe™ M.2 Solid State Drive ⁽¹⁵⁾
Finish and features	• Front-facing HP TrueVision FHD IR Webcam with integrated dual array digital microphones ⁽⁶⁹⁾ • HP finish in natural silver
Display	• 13.3" diagonal FHD ⁽³⁹⁾ UWVA BrightView WLED-backlit narrow bezel multitouch-enabled edge-to-edge glass (1920 x 1080)
Wireless option	• 2x2 802.11ac WLAN ^(19a) and Bluetooth® ⁽²⁶⁾
Audio	• Bang & Olufsen with quad speakers
Keyboard	• Full-size island-style backlit keyboard
Pointing device	• HP Imagepad with multi-touch gesture support
External notebook ports	• 2 USB 3.1 Type-C™ Gen 2 / Thunderbolt 3 (Data up to 40Gb/s, Power Delivery, DisplayPort 1.2, HP Sleep and Charge) ⁽⁴¹⁾⁽⁴²⁾ • 1 USB 3.1 Type-A Gen 1 (HP Sleep and Charge) • 1 Headphone/microphone combo compatible with 3.5mm 4-conductor jack with stereo audio and mono microphone
Dimensions	• Unpackaged: 0.55 in (H) x 12.07 in (W) x 8.58 in (L) • Packaged: 5.83 in (H) x 16.22 in (W) x 13.11 in (L)
Weight	• Unpackaged: 2.89 lb ⁽⁷⁶⁾ • Packaged: 5.53 lb
What's in the box	• Stylus pen in natural silver
Power	• 45W AC adapter • 3-cell 57.8 WHr 5.02 Ah lithium-ion polymer battery
Battery life	• Up to 14 hours and 15 minutes (mixed usage) ⁽⁷⁰⁾ • Up to 12 hours and 15 minutes (video playback) ⁽⁷⁵⁾
Warranty and support	• 1-Year Limited Hardware warranty. Additional information available at www.support.hp.com ⁽⁹⁾ • 90 days Limited Technical support for Software and Initial Setup (from date of purchase) ⁽⁵³⁾

Learn more at hp.com

⁽¹⁾ 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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com> ^(2b) 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. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. ^(2g) Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information. ⁽³⁾ Internet access required and not included. Registration required after 30 days trial period. McAfee, LiveSafe and the McAfee logo are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries. ⁽⁴⁾ Internet access required and not included. Availability of public wireless access points limited. ⁽¹⁴⁾ Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs. ⁽¹⁵⁾ Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. ^(19a) Wireless access point and Internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11ac WLAN devices. ⁽²⁶⁾ Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. ⁽²⁷⁾ EPEAT® Silver registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. ⁽⁴¹⁾ Free recycling in select countries. Program may not be available in your area. Check www.hp.com/go/recycling to see if HP offers free recycling in your area. ⁽⁴²⁾ Full High Definition (FHD) content is required to view FHD images. ⁽⁴³⁾ Transfer rate may vary. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽⁴⁴⁾ USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. ⁽⁵³⁾ Call 1.800.474.6836 or www.support.hp.com for more information on Care Packs available after 90 days. After 90 days, an incident fee may apply. ⁽⁵⁹⁾ For more information visit hp.com/go/hpsupportassistant (Link will vary outside of the U.S.) HP Support Assistant is available for Android and Windows based PCs. ⁽⁶⁷⁾ Internet connection required for updating and connecting to HP Support. ⁽⁶⁸⁾ Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. ⁽⁶⁹⁾ Some features including voice supported Cortana, inking, and Continuum require more advanced hardware. See www.windows.com. Apps sold separately. ⁽⁷⁰⁾ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. ⁽⁷²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ⁽⁷³⁾ Designation based on actions to reduce transportation-related emissions. ⁽⁷⁴⁾ Windows 10 MM14 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 <http://www.bapco.com> for additional details. ⁽⁷⁵⁾ Recharges your battery up to 90% within 90 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 90% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP Spectre, HP Envy, HP Omen and HP Pavilion PC models. See <http://store.hp.com> for a full list of product features. ⁽⁷⁶⁾ Tested by HP using continuous video playback, 150 nits brightness, system audio level at 50%, player audio level at 100%, played using a Full HD 1080p video stored locally, headphone attached, wireless off, auto dimming off. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. ⁽⁷⁸⁾ Weight and system dimensions may fluctuate due to configuration and manufacturing variances. ^(85a) Requires an Internet connection, not included, to an HP web-enabled printer and HP ePrint account registration. For complete details, see www.hp.com/go/mobileprinting ⁽⁸⁹⁾ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. Actual product may vary from image shown. © Copyright 2017 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 shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. All other trademarks are the property of their respective owners. 12/21_r2 tg

Software

HP help and support	• HP ePrint: Wirelessly print from anywhere, anytime, on any HP ePrint-enabled printer. ^(85a) • HP Support Assistant: Included with your computer, this free self-help tool makes it easier than ever to get help with your HP PC and printers. ⁽⁵⁶⁾⁽⁵⁷⁾ • HP Jumpstart: When you boot up your PC for the first time, get a personal walkthrough during the setup and get an informative overview of your PC's features.
Books, music, photos and videos	• Netflix: Watch movies and TV online with subscription. ⁽⁹⁾
Productivity and tools	• HP Recovery Manager: Recover, restore, and create recovery media for your PC. • HP Orbit: This bridge between your PC and mobile device lets you share mobile content right to your PC with a simple, secure WiFi connection. ⁽⁹⁾
Security and protection	• McAfee® LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe trial. ⁽⁸⁾

Additional Information

Product number	• Z4Z21UA#ABA
Ad embargo date	• 02/26/2017
UPC Code	• 190781388104
Country of origin	• China
Tariff number	• 8471300000
Pallet information	• Pallet Dimensions: 47.24 in (L) x 39.97 in (W) x 46.65 in (H) • Total Weight: 332.60 lb • Layers: 3 • Products per layer: 18

