

HP Spectre x2 12-c012dx



Rewrite what's possible on a PC

The Spectre x2 boldly redefines the PC experience with optimized all-angle inking, an impressive 6M pixel display, and the cutting-edge specs you need to revolutionize your workflow.

Product overview

- **Stability in every stroke:** Discover a remarkably natural pen experience, with a stainless steel kickstand that holds firm at your ideal writing angle.
- **Artistry empowered:** Elevate your creativity with the precision of Windows Ink on our brightest display yet.⁽⁶⁰⁾
- **Astonishing power. Infinite potential.** Impressive performance thanks to a 7th Generation Intel® Core™ i7 processor with Intel® Iris™ Plus Graphics, 8 GB RAM, and up to 360 GB SSD PCIe.

Key specifications

- **Operating system:** Windows 10 Home⁽¹⁾
- **Processor:** 7th Generation Intel® Core™ i7-7560U Processor^(2a)
- **Display:** 12.3" diagonal 3K2K IPS WLED-backlit multitouch-enabled edge-to-edge glass (3000 x 2000)^(3a)
- **Memory:** 8 GB LPDDR3 SDRAM (onboard)
- **Solid State drive:** 360 GB PCIe® NVMe™ M.2 Solid State Drive⁽¹⁵⁾
- **Graphics:** Intel® Iris™ Plus Graphics 650
- **Battery life:**
 - Up to 8 hours (mixed usage)⁽⁷⁰⁾
 - Up to 7 hours and 15 minutes (video playback)⁽⁷⁵⁾
- **Wireless:** 2x2 802.11ac WLAN^(19a) and Bluetooth®⁽²⁶⁾
- **Webcam:**
 - 5 MP HP TrueVision HD Webcam (front-facing)
 - 13 MP HP TrueVision HD Webcam (rear-facing)
 - HP IR Camera
- **Product weight:** 2.51 lb⁽⁷⁶⁾
- **Keyboard:** Full-size island-style backlit keyboard
- **Included:**
 - Active Pen in Dark Ash Silver
 - USB-C™ to USB-A Dongle
 - HP Sleeve

Product features

- **Windows 10 Home:** Do great things with Windows Hello and Cortana.⁽¹⁾⁽⁶⁰⁾
- **Dual 4K support:** Easily connect to two external 4K displays for a more immersive experience.
- **Stainless steel kickstand:** A stainless steel build holds firm up to 165°, for optimal inking at the perfect angle.
- **3K2K IPS Touch Panel:** Get incredible detail, wide-viewing angles and a precise multi-touch experience with 6 million pixels.^(3a)
- **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® Iris™ Plus Graphics:** Power your content on one or more displays with vibrant, ultra-sharp quality for an awesome entertainment experience.
- **PCIe SSD storage:** PCIe solid state storage with up to 17x faster performance than a traditional notebook hard drive.⁽⁵⁸⁾
- **Windows Ink:** Bring your ideas to life with the power of a digital pen and your imagination.⁽⁶⁰⁾
- **Pen-enabled:** Write, draw, and edit on a device with full support for Windows Inking features. Thanks to Microsoft's Universal Pen standards, any Universal Pen accessory will let you rewrite your PC experience.⁽⁶⁰⁾
- **HP Active Pen included:** Sketch, blend, write, and navigate on your x2 with smooth control and astonishing accuracy.

Additional product features

- **USB-C™ to USB-A adapter:** Easily connect any of your existing USB-A accessories to the latest USB-C port with the included adapter.
- **Rock-solid connections:** With the latest 802.11 a/c (2x2) WLAN adapter and Bluetooth® 4.2, all your connections are rock solid and up to 6 times faster than 802.11n 1x1.^{(18)(19a)(26)}
- **HP Fast Charge:** Go from 0 to 50% charge in approximately 30 minutes.⁽⁷²⁾
- **An exceptionally rich audio experience:** Dual HP Speakers, custom-tuned by experts at Bang & Olufsen, awaken your senses with PC audio perfection.
- **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.⁽⁶³⁾
- **Leave passwords behind.** Say hello to a new way to securely login without passwords using Windows Hello.
- **HP Audio Switch:** Access all your audio settings from one central location.
- **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 x2 that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified⁽⁶²⁾
- EPEAT® Silver registered⁽²⁷⁾
- Low Halogen⁽⁶¹⁾
- Mercury-free display backlights
- 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™ i7-7560U Processor ^(2b) • Dual-Core
Processor speed	• 2.4 GHz, up to 3.8 GHz with Intel® Turbo Boost ^{(2b)(2g)}
Processor cache	• 4MB cache
Memory	• 8 GB LPDDR3 SDRAM (onboard)
Accessible memory slots	• Memory slot not user accessible
Video graphics	• Intel® Iris™ Plus Graphics 650 with 4154 MB total graphics memory ⁽¹⁴⁾
Solid-state drive	• 360 GB PCIe® NVMe™ M.2 Solid State Drive ⁽¹⁵⁾
Finish and features	• HP finish in dark ash silver with dark ash silver cover • 5 MP HP TrueVision HD Webcam (front-facing) • 13 MP HP TrueVision HD Webcam (rear-facing) • HP IR Camera • Dual array digital microphones
Display	• 12.3" diagonal 3K2K IPS WLED-backlit multitouch-enabled edge-to-edge glass (3000 x 2000) ⁽³⁶⁾
Wireless connectivity	• 2x2 802.11ac WLAN ^(19a) and Bluetooth® ⁽²⁶⁾
Digital media	• Micro SD card reader
Audio	• Bang & Olufsen with dual 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 1 (Data up to 5Gb/s, Power Delivery, DisplayPort 1.2, HP Sleep and Charge) • 1 headphone/microphone combo
Dimensions	• Unpackaged: 11.57 in (L) x 0.52 in (H) x 8.15 in (D) (tablet) • Packaged: 15.67 in (L) x 6.02 in (W) x 13.19 in (H)
Weight	• Unpackaged: 2.49 lb ⁽⁷⁶⁾ • Packaged: 6.10 lb
What's in the box	• Active Pen in Dark Ash Silver • USB-C™ to USB-A Dongle • HP Sleeve
Power	• 65W AC adapter • 4-cell 41.58 Wh lithium-ion battery
Battery life	• Up to 8 hours (mixed usage) ⁽⁷⁰⁾ • Up to 7 hours and 15 minutes (video playback) ⁽⁷⁵⁾

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>. ^(2a) 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. ^(2b) Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information. ⁽⁸⁾ Internet access required and not included. Subscription 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. ^(9a) 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) Based on HP internal testing with MP4 playing, clamshell mode, 3 meter distance from wireless access point. Actual results may vary. ^(19b) 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. ⁽³¹⁾ 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. ⁽³⁶⁾ 3K2K content is required to view 3K2K images. ⁽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. ⁽⁵⁴⁾ 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. ⁽⁵⁷⁾ Internet connection required for updating and connecting to HP Support. ⁽⁵⁸⁾ Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. ⁽⁶⁰⁾ Some features including voice supported Cortana and inking require more advanced hardware and/or accessories. See www.windows.com. Apps and pen sold separately. ⁽⁶¹⁾ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. ⁽⁶²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ⁽⁶³⁾ Designation based on actions to reduce transportation-related emissions. ⁽⁷⁰⁾ 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. ⁽⁷²⁾ Recharges your battery up to 50% within 30 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. ⁽⁷⁵⁾ 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. ⁽⁷⁶⁾ 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. 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. 05/9_4 jr

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⁾

Software

HP help and support

- **HP ePrint:** Wirelessly print from anywhere, anytime, on any HP ePrint-enabled printer.^(85a)
- **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.
- **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⁾

Books, music, photos and videos

- **Netflix:** Watch movies and TV online with subscription.⁽⁹⁾

Productivity and tools

- **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⁾
- **HP Recovery Manager:** Recover, restore, and create recovery media for your PC.
- **HP Audio Switch:** Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience.

Security and protection

- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.⁽⁶⁾

Additional Information

Product number	• Z8T47UA#ABA
Ad embargo date	• 06/18/2017
UPC Code	• 191628034505
Country of origin	• China
Tariff number	• 8471300000
Pallet information	• Dimensions: 47.24 in (L) x 39.37 in (W) x 46.0 in (H) • Total weight: 326.8 lb • Layers: 3 • Products per layer: 16

