

# HP Spectre x360 Convertible 13-aw2003dx (Factory Recertified)



## Take it to the edge

See more and do more with the 4K OLED, near-borderless display on the ultra-compact Spectre x360. Long battery life lets you power through work and play while innovative privacy features give greater peace of mind wherever you are.

### Product overview

- **Work all day. Binge watch all night.** Work hard and play harder with long battery life. Binge watch your favorite shows and stay connected wherever you are with super-fast Gigabit Wi-Fi.
- **Uncompromising power to fuel your passions:** Experience incredible speed for editing and streaming videos with an 11th generation Intel® Core™ processor. The high contrast ratio of True Black HDR delivers crisp and vibrant colors on the nearly borderless, 4K OLED display with Corning® Gorilla® Glass NBT™.
- **Designed to ease your mind:** Packed with security features to bring you peace of mind, protect yourself with the unhackable camera kill switch and microphone mute button that you can quickly activate and know it's on or off with a LED indicator.

### Key specifications

- **Operating system:** Windows 10 Home<sup>(1)</sup>
- **Processor:** Intel® Evo™ platform powered by 11th Generation Intel® Core™ i5-1135G7<sup>(2)</sup>
- **Display:** 13.3-inch diagonal, 4K UHD (3840 x 2160), OLED, multitouch-enabled, UWVA, edge-to-edge glass, micro-edge, BrightView, Corning® Gorilla® Glass NBT™<sup>(3)</sup>
- **Memory:** 8 GB LPDDR4x-3733 SDRAM (onboard)
- **Internal storage:**
  - 512 GB Intel® PCIe® NVMe™ M.2 SSD<sup>(5a)</sup>
  - 32 GB Intel® Optane™ memory<sup>(5)</sup>
- **Graphics:** Intel® Iris® Xe Graphics<sup>(14)</sup>
- **Sound:** Audio by Bang & Olufsen with dual speakers
- **Battery life:**
  - Up to 10 hours (mixed usage)<sup>(8)</sup>
  - Up to 12 hours (video playback)<sup>(7)</sup>
  - Up to 10 hours (wireless streaming)<sup>(9a)</sup>
- **Wireless:** Intel® Wi-Fi 6 AX201 (2x2)<sup>(15a)</sup> and Bluetooth® 5 combo<sup>(25)</sup> (Supporting Gigabit file transfer speeds)<sup>(7)</sup>
- **Camera:** HP True Vision 720p HD IR camera with integrated dual array digital microphones<sup>(9)</sup>
- **Product weight:** 2.80 lbs<sup>(a)</sup>
- **Keyboard:** Full-size, backlit, nightfall black keyboard
- **Included:**
  - HP Rechargeable MPP2.0 Tilt Pen in nightfall black

### Product features

- **Windows 10 Home:** Do great things with Windows Hello and Cortana.<sup>(1)(6a)</sup>
- **Screen to body ratio:** Revolutionize your display and see more of what you love with this slim bezel design. Enjoy an immersive multimedia experience with a maximized viewing area.
- **HP Fast Charge:** Go from 0 to 50% charge in approximately 30 minutes.<sup>(72)</sup>
- **11th Generation Intel® Core™ processor:** Brings the perfect combination of features to make you unstoppable. Get things done fast with high performance, instant responsiveness and best-in-class connectivity.
- **Exceptional experience, anywhere:** Intel® Evo™ brings the perfect combination of performance, responsiveness, battery life and stunning visuals.
- **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.
- **Effortlessly connected:** Enjoy a smoother wireless experience with Wi-Fi 6 (2x2) and Bluetooth® 5.0 combo, all your connections are solid and up to 3x faster file transfer speeds than Wi-Fi 5.<sup>(15a)(19)(26)</sup>
- **Gigabit Wi-Fi:** Ultra-fast WiFi supporting gigabit speeds.<sup>(7)</sup>
- **OLED display:** With display technology that lights each pixel separately, you'll get deeper blacks for richer contrast, enhanced color depth, and more power efficiency than traditional LED screens.

### Additional product features

- **VESA Certified DisplayHDR:** Brighten your screen and stream HDR games and movies with enhanced contrast on your HDR display, creating a vivid, lifelike visual experience.<sup>(19)(36)</sup>
- **Eye comfort and protection:** Reduces harmful blue light and flickering to help improve eye comfort when working for long periods of time.
- **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. Laptops with integrated Eyesafe® displays help reduce eyestrain and improve eye comfort when working for long periods of time.
- **DCI-P3 color space:** Get deeper hues and more accurate colors with a wider color gamut than sRGB.
- **Intel® Optane™ Memory H10 with Solid State Storage:** Launch your most used apps at faster speeds. Accomplish more in less time with two breakthrough technologies in a single form factor while seamlessly loading heavy duty images and videos.<sup>(5)</sup>
- **PCIe® NVMe™ SSD storage:** Get up to 15x faster performance than a traditional hard drive.<sup>(5a)</sup>
- **Dual display support:** Add a second display for a more immersive and productive computing experience.
- **HP Command Center:** Customize your PC's performance, connectivity, and external temperature—all to meet your needs.
- **Advanced thermal management:** Optimized thermal design and IR sensor keeps your laptop cool to touch, without affecting acoustics.
- **Fingerprint reader:** Seamlessly log in to your device in any mode with the touch of your finger. Patented 3-D fingerprint technology ensures secure access.
- **Camera Kill Switch:** Ensure your privacy with a physical switch that turns off your PC's camera.
- **HP Rechargeable MPP 2.0 Tilt Pen:** Create naturally with no interruptions. Improved latency and greater sensitivity allow you smoothly transition between colors for finer details while you write, draw and edit on any of your devices.
- **HP True Vision HD IR Camera:** The infrared sensor gives you the added security of Windows Hello, for a safer way to log in to your computer. And get vibrant clarity when you're video chatting, even in low light.<sup>(9)</sup>

### 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 Convertible that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified<sup>(62)</sup>
- EPEAT® Silver registered<sup>(27)</sup>
- Low Halogen<sup>(61)</sup>
- Mercury-free display backlights
- Arsenic-free display glass



AUDIO BY  
BANG & OLUFSEN

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Specifications

Operating system	• Windows 10 Home <sup>(1)</sup>
Processor	• Intel® Evo™ platform powered by 11th Generation Intel® Core™ i5-1135G7 <sup>(2a)</sup> • Quad-Core
Processor speed	• Up to 4.2 GHz with Intel® Turbo Boost Technology <sup>(2a)</sup>
Processor cache	• 8 MB L3 cache
Memory	• 8 GB LPDDR4x-3733 SDRAM (onboard)
Accessible memory slots	• Memory slot not user accessible
Video graphics	• Intel® Iris® Xe Graphics <sup>(14)</sup>
Internal storage	• 512 GB Intel® PCIe® NVMe™ M.2 SSD <sup>(58b)</sup> • 32 GB Intel® Optane™ memory <sup>(55)</sup>
Finish and features	• Top cover: Nightfall black aluminum with a sandblasted finish • Keyboard deck: Nightfall black with a sandblasted finish
Camera	• HP True Vision 720p HD IR camera with integrated dual array digital microphones <sup>(89)</sup>
Display	• 13.3-inch diagonal, 4K UHD (3840 x 2160), OLED, multitouch-enabled, UWVA, edge-to-edge glass, micro-edge, BrightView, Corning® Gorilla® Glass NBT™, 400 nits, 100% DCI-P3, 100,000:1 <sup>(20)(37)</sup> • VESA True Black HDR 500 <sup>(36)</sup>
Screen to body ratio	• 90% <sup>(40)</sup>
Wireless connectivity	• Intel® Wi-Fi 6 AX201 (2x2) <sup>(19e)</sup> and Bluetooth® 5 combo <sup>(26)</sup> (Supporting Gigabit file transfer speeds) <sup>(7)</sup> • MU-MIMO supported
Digital media	• Micro SD media card reader
Sound	• Audio by Bang & Olufsen with dual speakers
Integrated keyboard	• Full-size, backlit, nightfall black keyboard • HP Imagepad with multi-touch gesture support
External notebook ports	• 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) <sup>(42)(50)(51)(59)(64)</sup> • 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge) <sup>(64)</sup> • 1 Headphone/microphone combo
Dimensions	• <b>Unpackaged:</b> 12.08 in (W) x 7.66 in (D) x 0.67 in (H)
Weight	• <b>Unpackaged:</b> 2.80 lb <sup>(76)</sup>
What's in the box	• HP Rechargeable MPP2.0 Tilt Pen in nightfall black
Security	• Fingerprint reader • Camera kill switch
Power	• 4-cell, 60 Wh Li-ion polymer • 65 W USB Type-C® power adapter <sup>(42)</sup>
Battery life	• Up to 10 hours (mixed usage) <sup>(85)</sup> • Up to 12 hours (video playback) <sup>(75)</sup> • Up to 10 hours (wireless streaming) <sup>(80)</sup>
Warranty	• 90-Day limited hardware warranty. Additional information available at <a href="http://www.support.hp.com">www.support.hp.com</a> <sup>(9)</sup>

Additional Information

Product number	• 1G5S4UAR#ABA
Ad embargo date	• 10/18/2020
Country of origin	• China
Pallet information	• <b>Dimensions:</b> 47.24 in (L) x 39.37 in (W) x 46.00 in (H) • <b>Total weight:</b> 395.80 lb • <b>Layers:</b> 3 • <b>Products per layer:</b> 18
Battery regulatory data	• <b>Transportation or storage regulations:</b> Y • <b>UN# and proper shipping name:</b> UN3481 - Lithium ion batteries packed with equipment • <b>Number of batteries:</b> 1 • <b>Primary battery regulated material:</b> Z35g • <b>Primary battery watt hours:</b> 60 • <b>Applicable CPSC regulations:</b> N

Learn more at [hp.com](http://hp.com)

<sup>(1)</sup> 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 [microsoft.com](http://microsoft.com) <sup>(2a)</sup> 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. Intel, Pentium, Intel Core, Celeron, Iris Xe, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. <sup>(2b)</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See [intel.com/technology/turboboost](http://intel.com/technology/turboboost) for more information. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. <sup>(7)</sup> Wi-Fi supporting gigabit speeds is achievable when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels. <sup>(8)</sup> 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. <sup>(9)</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. <sup>(14)</sup> 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. <sup>(19e)</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported. <sup>(19f)</sup> Based on Wi-Fi 5 80MHz and Wi-Fi 6 160MHz minimum requirements when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 802.11ax (Wi-Fi 6). Only available in countries where 802.11ax is supported. <sup>(20)</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>(22)</sup> New Dropbox users are eligible to get 25 GB of Dropbox space free for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at [dropbox.com](http://dropbox.com). <sup>(23)</sup> Detects BIOS damage and recovers last settings. <sup>(26)</sup> Bluetooth® is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. <sup>(27)</sup> Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information. <sup>(36)</sup> DisplayHDR™ is the high-performance Monitor and Display Compliance Test Specification from VESA specifying HDR (High Dynamic Range) quality. See [displayhdr.org](http://displayhdr.org) for more details. <sup>(37)</sup> 4K content required to view 4K images. <sup>(40)</sup> Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. <sup>(42)</sup> USB Type-C® and USB-C® are trademarks of USB Implementers Forum. <sup>(50)</sup> DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. <sup>(51)</sup> Thunderbolt is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or other countries. <sup>(53)</sup> Call 1.800.474.6836 or [support.hp.com](http://support.hp.com) for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply. <sup>(55)</sup> Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. <sup>(56)</sup> For more information visit [hp.com/go/hpsupportassistant](http://hp.com/go/hpsupportassistant). (Link will vary outside of the U.S.) HP Support Assistant is only available on Windows-based PCs. Internet connection required for updating and connecting to HP Support. <sup>(58a)</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. <sup>(59)</sup> SuperSpeed USB 20Gbps is not available. <sup>(60)</sup> Some features including voice supported Cortana, inking, and Continuum require Windows 10 and more advanced hardware. See [windows.com](http://windows.com). Apps and pen sold separately. <sup>(61)</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. <sup>(62)</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(64)</sup> For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device. <sup>(66)</sup> Alexa home supported devices are not included and must be purchased separately. <sup>(72)</sup> 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. <sup>(75)</sup> Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 150 nits brightness, system audio level at 17%, player audio level at 100%, played full-screen from local storage, headphone attached, wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. <sup>(76)</sup> Weight and system dimensions may fluctuate due to configuration and manufacturing variances. <sup>(80)</sup> Battery life tested by HP using continuous Netflix video playback, Windows 10 Netflix app, 150 nits brightness, system audio level 17%, headphone attached, played full-screen, wireless on. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. <sup>(85)</sup> Windows 10 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 [bapco.com/products/mobilemark-2018/](http://bapco.com/products/mobilemark-2018/) for additional details. <sup>(89)</sup> 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 2020 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. 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