Datasheet

HP Spectre x360 Convertible 13-aw2006ng

Take it to the edge

See more and do more with the high definition, 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 image may differ from actual product

Work all day. Binge watch all night.
Work hard and play harder with a long battery life. Binge watch your favorite shows and stay connected with Gigabit WiFi connectivity.

Uncompromising power to fuel your passions
Experience incredible speed for editing and streaming videos in a snap with the powerful Intel® Core™ processor. Enjoy the exceptional view on the nearly borderless, high definition 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 Webcam kill switch and microphone mute button that you can quickly activate and know it's on or off with a LED indicator.

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Featuring

Windows 10
Do great things confidently with the familiar feel of Windows – only better. Be more secure, more productive, and get more personal with preinstalled features and enhancements like Windows Hello and Cortana.[1]

Exceptional experience, anywhere
11th Gen Intel® Core™ processors bring the perfect combination of features to make you unstoppable. Get things done fast with high performance, instant responsiveness and best-in-class connectivity.[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.[3]

FHD IPS touchscreen
Always see your content at its best with 178° wide-viewing angles and a vibrant picture. And with touchscreen technology, you can control your PC right from the screen.[4]

Anti-reflection screen
See your screen clearly wherever you are. This screen reduces reflection and enhances contrast so you can view it clearly in any setting, inside or out.

Battery life for long days
Extend your day into the night with up to 16 hours and 30 minutes of battery life. Longer battery life means you can keep going beyond your day without recharging.[5]

Webcam Kill Switch
Ensure your privacy and security with a physical switch that turns off your PC's camera when not in use. No more unsightly tape to cover your camera lens.

Microphone Mute
Enjoy greater peace of mind and the convenience of a dedicated microphone mute button that you can easily activate and know it's on or off with an LED indicator light.

Fingerprint reader
Seamlessly log in into your device in any mode with the touch of your finger. Patented 3-D fingerprint technology ensures secure access and online payments.[6]

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.[7]

Thunderbolt™ 4 with USB4™ Type-C®
The latest Thunderbolt™ solution lets you power your device or connect up to two 4K displays with a single cable and blazing 40Gbps signaling rate.

McAfee® LiveSafe™
Protect your operating system with a free 30-day McAfee® LiveSafe™ subscription.[8]

Amazon Alexa Voice Service
Listen to music, get news, manage smart home devices and enable any of more than 50K skills – all hands-free using Amazon Alexa on your PC.[9]

HP 3D DriveGuard
Your PC's data stays safe from accidental bumps and bruises with HP 3D DriveGuard. It senses motion and locks your spinning hard drive, so a single bump won't delete your entire digital life.

DDR4 RAM
Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

Full-sized keyboard
The full-sized keyboard allows you to work anywhere, with 1.5mm key travel for typing comfort and total productivity.

HP Imagepad with multi-touch gesture
This true multi-touch touchpad supports four finger gestures and lets you scroll, zoom, and navigate with a simple touch.

MU-MIMO supported
If you have several MU-MIMO devices in your home, MU-MIMO support works in combination with a MU-MIMO router to maximize network traffic for a smoother online experience.

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 Fast Charge
When your laptop is low on power, no one has time to wait hours to recharge. Power down your device and go from 0 to 50% charge in approximately 30 minutes.[14]

An exceptionally rich audio experience
With HP Dual Speakers, HP Audio Boost, and custom tuning by the experts at Bang & Olufsen, entertainment comes to life with sound you can feel. Awaken your senses with PC audio perfection.

360° geared hinge
Innovatively engineered to rotate 360 degrees so that you can use your device in four positions. Work in laptop position, watch in reverse position, play in tent position, and go in tablet position.

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Specifications

Performance

Operating system
Windows 10 Home 64
Processor
Intel® Core™ i7-1165G7 (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores)[6,7]
Processor family: 11th Generation Intel® Core™ i7 processor
Chipset
Intel® Integrated SoC
Memory
16 GB LPDDR4-3200 SDRAM (onboard)
Transfer rates up to 3200 MT/s.
Number of user-accessible: 0
Storage
512 GB Intel® PCIe® NVMe™ M.2 SSD
32 GB Intel® Optane™ memory[9]
Optical drive not included
Dropbox[1]
Graphics
Integrated: Intel® Iris® Xᵉ Graphics;
Audio
Audio by Bang & Olufsen; Dual speakers; HP Audio Boost 2.0
Display
33.8 cm (13.3") diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, anti-reflection Corning® Gorilla® Glass NBT™, 400 nits, 100% sRGB[17]
Screen-to-body ratio
90%[18]
Power
65 W USB Type-C™ power adapter;
Battery type
4-cell, 60 Wh Li-ion polymer;
235 g;
Battery and Power
Up to 16 hours and 30 minutes[3];
Supports battery fast charge: approximately 50% in 30 minutes[5]
Maximum battery life video playback
Up to 22 hours and 45 minutes[10]

Connectivity

Wireless connectivity
Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit file transfer speeds) [11,12,13,16]
Miracast compatible; MU-MIMO supported
Ports
2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 headphone/microphone combo [25]
1 microSD media card reader
Webcam
HP True Vision 720p HD IR camera with integrated dual array digital microphones

Design

Product color
Poseidon blue aluminum, pale brass accents
Sandblasted cover finish, plastic and metal base and keyboard frame

Software

HP apps
HP 3D DriveGuard; HP Audio Switch; HP JumpStart; HP Support Assistant
Software
Alexa; Netflix; ExpressVPN (30 day free trial); LastPass Premium (30 day free trial); 1 month trial for new Microsoft 365 customers [24]
Service & support
McAfee LiveSafe™ [2]

Additional information

Part Number
P/N: 2Y2U0EA #ABD
UPC/EAN code: 195697052125
Energy efficiency compliance
ENERGY STAR® certified; EPEAT® Silver registered
Weight
1.27 kg;
Packed: 3 kg
Weight Note: Weight varies by configuration
Dimensions
30.67 x 19.45 x 1.69 cm;
Packed: 14.7 x 41.3 x 33.2 cm
Dimension Note: Dimensions vary by configuration
Warranty
2 year limited parts, labour, and pickup and return service; You can expand the warranty coverage of your product to reach up to 3 years in total; for more information go to the "Options and accessories" web section on hp.com product pages.
Included accessories
Sleeve; HP Rechargeable MPP2.0 Tilt Pen; HP ENVY USB-C Hub
Keyboard
Full-size, backlit, poseidon blue keyboard
HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Security management
Mic Mute key; Trusted Platform Module (TPM) support; Webcam kill switch
Fingerprint reader
Sensors
Accelerometer; Gyroscope; eCompass; IR Thermal sensor

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Recommended accessories

* Not included.

HP Spectre Rechargeable Mouse 700 (Turbo Silver)
3NZ71AA

HP ENVY USB-C Hub
5LX63AA

HP Spectre Folio Backpack
8GF06AA

Warranty services*

3-year pickup and return
UM946E

Key Selling Points Footnotes

Feature Messaging Footnotes

[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. Some features including voice supported Cortana, inking, and Continuum require more advanced hardware. See www.windows.com. Apps sold separately.
[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] 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.
[4] Full high-definition (FHD) content is required to view FHD images.
[5] 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/ for additional details.
[6] Internet service required and not included.
[7] Features may require software or other 3rd party applications to provide the described functionality.
[8] Internet service required and not included. Subscription required after 30 days.
[9] Alexa home supported devices are not included and must be purchased separately.
[14] 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 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.

Technical Specifications Footnotes

[1] 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 https://www.dropbox.com/help/space/hp-promotion. Internet service required and not included.
[2] Free 1-year subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration.
[3] 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 https://bapco.com/products/mobilemark-2018/ for additional details.
[5] 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. 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.
[9] Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system.
[10] 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.
[11] 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 160 MHz channels.
[12] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
[13] 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.
[16] Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).
[17] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[18] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.
[19] HP Sleep and Charge requires USB Type-A/Type-C charging protocol standard cable or dongle with external device for full functionality.
[20] SuperSpeed USB 20Gbps is not available.
[22] Reverting to LastPass basic after 30 days.
[24] Must activate within 180 days of Windows activation.
[25] HP Sleep and Charge requires USB Type-A/Type-C charging protocol standard cable or dongle with external device for full functionality.

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