Datasheet

# HP Spectre x360 Convertible 15-df1029na

## Incredible power to create more

Crafted to transform the way you create, our most powerful Spectre yet fuses impeccable craftsmanship with untouchable performance, power, and speed. Edit 4K videos, build complex digital files to be the master of your craft. With an iconic gem-cut design and cutting-edge, up to six-core processor, it empowers the driven to redefine what's possible.




**Our most powerful Spectre yet**
Equipped with an Intel® Core™ processor[1], all day battery life, and NVIDIA GeForce graphics[2], you have power and speed. Elevate your Spectre's performance to a new level by managing thermal settings to choose from quiet, cool, or performance modes, depending on needs.

**An immersive creating experience**
Bring your visions to life with a 39.6 cm (15.6") diagonal high definition, micro-edge display. The barely visible bezel revolutionizes your touch display by letting a larger screen fit into a smaller frame.

**Security in a class of its own**
Enhanced security features like integrated IR camera, fingerprint reader, and Webcam Kill Switch keeps you secure and your information private.

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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]

**9th generation Intel® Core™ processor i7**
Experience a breakthrough in processor performance that delivers incredible in-game experiences and enables crisp, simultaneous live-streaming. Edit and render pure 4K quality, and stream only the best content.

**NVIDIA® GeForce® GTX 1650 graphics**
With the all-new NVIDIA Turing™ architecture, gaming and streaming will never be the same. Get all the power you need for fast, smooth, power-efficient performance from NVIDIA® GeForce® GTX 1650.

**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.[2]

**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.[3]

**HP Wide Vision FHD IR Camera**
Easily log in through Windows Hello with the infrared sensor. With an 88-degree, wide-angle field of view, you can video chat with your entire family or group of friends in stunning detail.[4]

**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.[5]

**USB 3.1 connector**
With the world's most popular USB connection, you can easily connect any of your existing USB devices and experience data transfer speeds ten times faster than USB 2.0.

**PCIe SSD storage**
Available in capacities up to 512 GB, PCIe-based flash storage is up to 17x faster than a traditional 5400-rpm laptop hard drive.[6]

**Backlit keyboard**
Keep going even in dimly lit rooms or aboard red-eye flights. With an illuminated keyboard, you can type comfortably in more environments.

**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.

**Refined, gem-cut design**
Precision-crafted metal design using CNC machining creates a stunning gem-cut look. The crisp, angular design is beautiful and functionally packaged in its tightest dimensions.

**HP Command Center**
This simple utility puts you in control, allowing you to optimize and customize performance, fan speed and noise, and external temperature—all to meet your needs.

**Sleek design**
Easily take this thin and light PC from room to room or on the road. When your PC goes wherever you go, staying productive and entertained has never been easier.

**All metal chassis**
See and feel a heightened sense of craftsmanship with an all-metal angular chassis design, polished accents, and high-quality materials built to last.

**Windows Ink**
Naturally drive content, ideas, and drawings forward with digital pen-based computing and Windows Ink. Seamlessly jot down notes in Office, or draw on a collection of apps.

**An exceptionally rich audio experience**
With HP Quad 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.

**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.

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## Specifications

### Performance

**Operating system**
Windows 10 Home 64
**Processor**
Intel® Core™ i7-9750H (2.6 GHz base frequency, up to 4.5 GHz base with Intel® Turbo Boost Technology, 12 MB cache, 6 cores)
Processor family: 9th Generation Intel® Core™ i7 processor [6,7]
**Chipset**
Intel® Integrated SoC
**Memory**
16 GB DDR4-2666 SDRAM (onboard)
Transfer rates up to 2666 MT/s.
**Storage**
512 GB Intel® SSD
32 GB NVMe™ Intel® Optane™ Memory for storage acceleration[9]
Optical drive not included
Dropbox[1]
**Graphics**
Discrete: NVIDIA® GeForce® GTX 1650 Graphics (4 GB GDDR5 dedicated) ;
Powered by NVIDIA Turing™ GPU architecture
**Audio**
BANG & OLUFSEN; Quad speakers; HP Audio Boost 2.0
**Display**
39.6 cm (15.6") diagonal FHD IPS micro-edge WLED-backlit multitouch-enabled edge-to-edge glass with Corning® Gorilla® Glass NBT™ and HP Sure View Integrated Privacy Screen
**Display Color Gamut**
72% NTSC
**Brightness(typical)**
650 nits [15]
**Power**
135 W Smart AC power adapter;
**Battery type**
6-cell, 84 Wh Li-ion;
323.6 g;
**Battery and Power**
Up to 15 hours and 45 minutes[3];
Supports battery fast charge: approximately 50% in 30 minutes[5]
**Maximum battery life video playback**
Up to 14 hours and 30 minutes[10]

### Connectivity

**Wireless connectivity**
Intel® Wi-Fi 6 AX 200 (2x2) and Bluetooth® 5 Combo (Supporting Gigabit file transfer speeds) [11,12,13,16]

MU-MIMO supported; Miracast compatible
**Ports**
2 USB 3.1 Gen 2 Type-C™ with Thunderbolt™ 3 (40 Gb/s signaling rate, Power Delivery 3.0, DisplayPort™ 1.4, HP Sleep and Charge); 1 USB 3.1 Gen 1 Type-A (HP Sleep and Charge); 1 AC smart pin; 1 HDMI 2.0b; 1 headphone/microphone combo
1 microSD media card reader
**Webcam**
HP Wide Vision FHD IR Camera with integrated dual array digital microphone

### Design

**Product color**
Dark ash silver
Sandblasted anodized finish

### Software

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

### Additional information

**Part Number**
P/N: 8XL37EA #ABU
UPC/EAN code: 194721420473
**Energy efficiency compliance**
ENERGY STAR® certified; EPEAT® Silver registered
**Weight**
2.12 kg;
Packed: 3.18 kg
Weight note (metric): Weight varies by configuration
**Dimensions**
36.12 x 25 x 1.93 cm;
Packed: 36.7 x 46.6 x 16.4 cm
Dimension note (metric): Dimensions vary by configuration
**Warranty**
1 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.
**Keyboard**
Full-size island-style dark ash silver backlit keyboard with numeric keypad
HP Imagepad with multi-touch gesture support
**Features**
Touch display
**Security management**
Fingerprint reader; Webcam kill switch
**Sensors**
Accelerometer; Gyroscope; eCompass

# HP Spectre x360 Convertible 15-df1029na

## Recommended accessories

* Not included.



HP ENVY Urban 39.62 cm (15.6") Sleeve
3KJ70AA



HP Spectre Rechargeable Mouse 700 (Luxe Cooper)
3NZ70AA

## Warranty services*



PC Care pack

3-year pickup and return
UM963E

### 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] 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. Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where the Wi-Fi 6 (802.11ax) will be disabled and downgraded to 802.11ac by the Intel's DRS solution.
[3] 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.
[4] Features may require software or other 3rd party applications to provide the described functionality.
[5] Internet service required and not included.
[6] Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD

### 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 14 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-2014/ 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.
[15] HP Sure View integrated privacy screen that functions in landscape orientation. Available on select HP models and requires factory configuration. Brightness will vary between sharing and privacy modes.

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