Datasheet

HP ENVY x360 Convert 13-ay1074ng

Limitless creation, from anywhere

Ready whenever inspiration strikes. Bring true-to-life, vibrant visuals to your screen anywhere, anytime with this versatile, convertible PC with long battery life. Simultaneously use the touch and pen input to capture every detail of your sketches and rest easy knowing your creations are under wraps until you're ready to share them.

*Product image may differ from actual product

The power to bring your creations to life
With an AMD Processor[1] with powerful graphics, a long battery life, ample SSD storage and HP Command Center, you get performance to meet your creative needs.

Thoughtfully designed
Ideas come to life in vibrant color with the high definition, micro-edge display[2]. The 360 degree hinge adapts so can capture every intricate sketch with precision.

Privacy for your peace of mind
Keep it confidential with an unhackable camera shutter and dedicated microphone mute button.

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Featuring

Get a fresh perspective
Windows 11 provides a calm and creative space where you can pursue your passions through a fresh experience. From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way.[3]

AMD Ryzen™ 7 Processor
Tap into truly impressive notebook performance. A revolutionary new architecture with amazing battery life that delivers exceptional multi-threaded processing and Vega graphics for intensive multimedia tasks.[4]

FHD IPS display
Enjoy crystal-clear images from any angle. With 178° wide-viewing angles and a vibrant 1920 x 1080 resolution, you'll always have a great view of your favorite content.[5]

100% sRGB
Showcase your creations in all their colors on the 100% sRGB display for maximum color broadness and accuracy.

HP Wide Vision HD Camera
The 88-degree, wide-angle field of view lets you video chat with the entire family or group of friends in crystal clear detail.[6]

SuperSpeed USB Type-C® Power + Display + 10Gbps signaling rate
Plug in your external storage with this SuperSpeed USB Type-A port, featuring 5Gbps signaling data rate.[7]

HP QuickDrop
Wirelessly transfer photos, videos, documents and more between your PC and mobile device.

Dropbox cloud storage
Store and synchronize your content online with Dropbox. Get 25 GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access.[8]

ExpressVPN
Hide your IP address and encrypt your network data so no one can see what you're doing. Reduce the threat of hacking even when browsing on public Wi-Fi.[9]

McAfee® LiveSafe™
Protect your operating system with a free 30-day McAfee® LiveSafe™ subscription.[10]

Make the most out of your 365.
Bring your ideas to life. Your creativity now gets a boost with Microsoft 365. Office - Word, Excel, and Power Point - now includes smart assistance features that help make your writing more readable, your data clearer and your presentations more visually powerful.[11]

PCIe NVMe™ M.2 SSD storage
Boot up in seconds with lightning fast speed with up to 512 GB PCIe NVMe™ M.2 SSD storage.

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.

Micro SD card reader
Simply insert a Micro SD card and increase your device's storage for more movies, photos, and music, or easily access any content you have stored on an existing card.

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.

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

Micro-edge display
See more of your screen with a micro-edge display that maximizes your viewing area.

100% sRGB
Showcase your creations in all their colors on the 100% sRGB display for maximum color broadness and accuracy.

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]

Fingerprint reader
Seamlessly log into your device in any position with the touch of your finger. Patented 3-D fingerprint technology ensures secure access.[15]

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.

An exceptionally rich audio experience
HP Dual Speakers and audio, custom-tuned in collaboration with experts at Bang & Olufsen, bring entertainment to life with sound you can feel. Awaken your senses with PC audio perfection.

HP Audio Boost
Feel and hear state-of-the-art sound with the next generation of HP Audio Boost and SmartAmp technology—providing louder, richer sound and booming bass performance without distortion.

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.

All-in-One Keyboard
Control your privacy, security and multimedia with the touch of a button. With all your hotkeys in one area, seamlessly navigate with no distractions.

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Specifications

Performance

Operating system
Windows 11 Home
Processor
AMD Ryzen™ 7 5800U (up to 4.4 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)[6,7]
Processor family: AMD Ryzen™ 7 processor
Chipset
AMD Integrated SoC
Memory
16 GB DDR4-3200 MHz RAM (onboard)
Transfer rates up to 3200 MT/s.
Number of User-accessible Memory Slots: 0
Storage
512 GB PCIe® NVMe™ M.2 SSD
Optical drive not included
25 GB Dropbox storage for 12 months[1]
Graphics
Integrated: AMD Radeon™ Graphics;
Audio
Audio by Bang & Olufsen; Dual speakers; HP Audio Boost
Display
33.8 cm (13.3") diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass NBT™, 400 nits, 100% sRGB[17]
Screen-to-body ratio
88%[18]
Power
65 W AC power adapter;
Battery type
3-cell, 51 Wh Li-ion polymer[23]
210 g
Battery and Power
Up to 15 hours and 30 minutes[3];
Supports battery fast charge: approximately 50% in 30 minutes[5]
Maximum battery life video playback
Up to 16 hours and 30 minutes[10]

Connectivity

Wireless connectivity
Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate) [11,12,13]
MU-MIMO supported; Miracast compatible
Ports
1 SuperSpeed USB Type-C® 10Gbps 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 SuperSpeed USB Type-A 5Gbps signaling rate; 1 AC smart pin; 1 headphone/microphone combo[19]
Expansion slots
1 microSD media card reader
Webcam
HP Wide Vision 720p HD camera with camera shutter and integrated dual array digital microphones

Design

Product color
Nightfall black aluminum
Sandblasted, anodized finish

Software

HP apps
HP Audio Switch; HP Support Assistant; HP Connection Optimizer; HP Command Center; HP QuickDrop; OMEN Gaming Hub; HP Palette; HP Enhanced Lighting
Software
ExpressVPN (30 day free trial); LastPass Premium (30 day free trial)[22];
1 month trial for new Microsoft 365 customers[24]
Service & support
McAfee LiveSafe™ [2]

Additional information

Part Number
P/N: 5D1D0EA #ABD
UPC/EAN code: 196337496729
Ecolabels
EPEAT® registered [27]
ENERGY STAR® certified
Weight
1.3 kg;
Packed: 2.42 kg
Weight Note: Weight varies by configuration
Dimensions
30.65 x 19.46 x 1.64 cm;
Packed: 6.9 x 48.3 x 30.5 cm
Dimension Note: Dimensions vary by configuration
Manufacturer Warranty
1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
Keyboard
Full-size, backlit, nightfall black keyboard
HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Security management
All-in-One keyboard
Fingerprint Reader
Sensors
Accelerometer; Gyroscope; eCompass; IR Thermal sensor

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Warranty services*


PC Care pack

3-year pickup and return
UM946E

Key Selling Points Footnotes

[1] 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. AMD's numbering is not a measurement of clock speed.
[2] HD (High Definition) content required to view HD images.

Feature Messaging Footnotes

[3] 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
[4] 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. AMD's numbering is not a measurement of clock speed.
[5] Full high-definition (FHD) content is required to view FHD images.
[6] Features may require software or other 3rd party applications to provide the described functionality.
[7] Actual throughput may vary.
[8] 25 GB of free online storage for one year from date of registration. For complete details and terms of use, including cancellation policies, visit the website at www.dropbox.com. Internet service required and not included.
[9] Free 30-day trial, switch to a paid service at the end of the trial period. Each paid subscription grants you one (1) license to use on three (3) different devices at any given time. See www.expressvpn.com for more details.
[10] Internet service required and not included. Subscription required after 30 days.
[11] Microsoft 365 Personal 1-year subscription included. Activation required within 6-months of Windows activation date. Microsoft 365 Family and Microsoft 365 Personal have non-commercial rights and are meant for personal use only. See www.microsoft.com for full details.
[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.
[15] Internet service required and not included.

Technical Specifications Footnotes

[1] 25 GB of free Dropbox storage 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 30 day subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration.
[3] Windows 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. AMD's numbering is not a measurement of clock speed.
[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
[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 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.
[12] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs.
[13] Wi-Fi 6 (802.11ax) is not supported in Belarus 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] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.
[22] Reverting to LastPass basic after 30 days.
[24] Must activate within 180 days of Windows activation.
[27] Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.

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