



HP ENVY x360 Convert 13-ay1020nn (599M9EA)



Overview

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.



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.



Privacy for your peace of mind

Keep it confidential with an unhackable camera shutter and dedicated microphone mute button.



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.

Features

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]

1080p

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]



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]



AMD Ryzen™ 5 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]



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]



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]

[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.

[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.

Specifications

Operating system	Windows 11 Home
Product color	Ceramic white aluminum
Processor family	AMD Ryzen™ 5 processor
Processor	AMD Ryzen™ 5 5600U (up to 4.2 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) ^[6,7]
Chipset	AMD Integrated SoC
Memory	16 GB DDR4-3200 MHz RAM (onboard)
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Product design	Sandblasted, anodized finish
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Display	33.8 cm (13.3") diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, BrightView, Corning® Gorilla® Glass NBT™, 1000 nits, 72% NTSC, HP Sure View integrated privacy screen
Display	13.3" diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, BrightView, Corning® Gorilla® Glass NBT™, 1000 nits, 72% NTSC, HP Sure View integrated privacy screen
Display size (diagonal)	33.8 cm (13.3")
Display size (diagonal)	13.3"
Audio	Audio by Bang & Olufsen; Dual speakers; HP Audio Boost
Minimum dimensions (W x D x H)	30.65 x 19.46 x 1.64 cm (Dimensions vary by configuration)
Minimum dimensions (W x D x H)	12.07 x 7.66 x 0.65 in
Weight	1.3 kg (Weight varies by configuration)
Weight	2.87 lb
Keyboard	Full-size, backlit, ceramic white keyboard
Pointing device	HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Input devices	Accelerometer; Gyroscope; eCompass; IR Thermal sensor
Webcam	HP Wide Vision 720p HD camera with camera shutter and integrated dual array digital microphones
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

Package dimensions (W x D x H)	6.9 x 48.3 x 30.5 cm
Package weight	2.42 kg
Wireless	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)
Power supply type	65 W AC power adapter
Battery type	3-cell, 51 Wh Li-ion polymer
Battery life	Up to 13 hours and 45 minutes ^[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes ^[5]
Battery weight	0.46 lb
Battery weight	210 g
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Security management	All-in-One keyboard
Software included	McAfee LiveSafe™
Software - Productivity & finance	1 month trial for new Microsoft 365 customers ^[24]
Cloud service	25 GB Dropbox storage for 12 months ^[1]
UPC number	196337374676

Additional specifications

Battery capacity	51
Battery capacity uom	Wh
Battery cells number	3
Battery life	Long Life
Battery life video playback	Up to 14 hours and 45 minutes
Battery type	Li-ion polymer
Bluetooth version	Bluetooth® 5.2
Brightness	1000 nits
Camera brand	HP Wide Vision
Camera microphone	integrated dual array digital microphones
Camera resolution (vertical)	720p
Camera resolution standard	HD
Color	Ceramic white
Color gamut	72% NTSC
Display	33.8 cm (13.3") diagonal FHD touch display
Display	13.3" diagonal FHD touch display
Display bezel	micro-edge
Display brightness	1000
Display brightness uom	nits
Display design	edge-to-edge glass
Display glass type	Corning® Gorilla® Glass NBT™
Display panel technology	IPS
Display resolution (pixels)	1920 x 1080
Display resolution standard	FHD
Display security technology	HP Sure View integrated privacy screen
Display size (diagonal) uom	"
Display size (diagonal, imperial)	13.3
Display size (diagonal, metric)	33.8
Display size (diagonal, metric) uom	cm
Display surface treatment	BrightView
Display touchscreen type	touch screen
Fingerprint reader	Fingerprint Reader
Keyboard backlight	backlit

Keyboard color	ceramic white
Keyboard size	Full-size
MDA key selling point	Windows 10 Home or other operating systems available
Memory and storage	16 GB memory; 512 GB SSD storage
Memory module type	DIMM
Memory size	16
Memory size uom	GB
Memory speed	3200
Memory speed uom	MHz
Memory type	DDR4
Number of User-accessible Memory Slots	0
Package depth, imperial (extended size)	20.47
Package depth, imperial (most common size)	19.01
Package depth, metric (extended size)	52
Package depth, metric (most common size)	48.3
Package dimensions (W x D x H)	2.71 x 20.47 x 12 in
Package height, imperial (extended size)	12
Package height, imperial (most common size)	12
Package height, metric (extended size)	30.5
Package height, metric (most common size)	30.5
Package weight	5.32 lb
Package width, imperial (extended size)	2.71
Package width, imperial (most common size)	2.71
Package width, metric (extended size)	6.9
Package width, metric (most common size)	6.9
Packaging unit of measure (imperial)	in
Packaging unit of measure (metric)	cm

Processor Brand	AMD
Processor cache	16 MB L3
Processor core	6
Processor family	Ryzen™ 5
Processor maximum frequency	4.2
Processor maximum frequency uom	GHz
Processor model	5600U
Processor threads	12
Product brand name	HP
Product long name specifications	HP ENVY x360 Convert 13-ay1020nn, 13.3", touch screen, Windows 11 Home, AMD Ryzen™ 5, 16GB RAM, 512GB SSD, FHD, Ceramic white
Storage capacity 01	512
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
Touchscreen	Yes
UNSPSC code	43211503
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Realtek
Wireless transfer speeds	Supporting Gigabit data rate

[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.

[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.

[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

[24] Must activate within 180 days of Windows activation.

Accessories

Cases and Covers

★ : Recommended

Backpacks

HP ENVY Urban 15 Backpack	3KJ72AA ★	
HP Renew Backpack	1A212AA ★	
HP 15.6 Classic Backpack	1FK05AA	
HP 15.6 SMB Backpack Case	T0F84AA	
HP 15.6 in Black Odyssey Backpack	L8J88AA	
HP 15.6 in Green/Gray Odyssey Backpack	L8J89AA	
HP 15.6 in Value Backpack	4WH53AA	obsolete
HP 15.6 in Value Backpack	K0B39AA	
HP 17.3 in OMEN Gaming Backpack	K5Q03AA	
HP Active Backpack	1LU22AA	
HP Active Backpack	1LU23AA	
HP Commuter Backpack	5EE91AA	
HP ENVY Urban 15 Backpack	7XG56AA	
HP Lightweight 15.6 Blue/Gray Backpack	18H48AA	
HP Lightweight 15.6 Laptop Backpack	1G6D3AA	
HP Pavilion Gaming Backpack 300	6EU56AA	
HP Pavilion Gaming Backpack 400	6EU57AA	
HP Pavilion Gaming Backpack 500	6EU58AA	
HP Prelude 15.6-inch Backpack	2Z8P3AA	
HP Prelude Backpack 15.6	1E7D6AA	
HP Prelude Backpack 15.6	50P32AA	
HP Renew Backpack	1A211AA	
HP Renew Travel 15.6-inch Backpack	2Z8A3AA	
HP Spectre Folio Backpack	8GF06AA	
OMEN Transceptor 15 Backpack	7MT84AA	
OMEN Transceptor 15 Rolltop Backpack	7MT83AA	
OMEN by HP Gaming Backpack	4YJ80AA	

Cases

HP ENVY Urban 15.6 Briefcase	7XG57AA ★	
HP 15.6 SMB Topload Case	T0F83AA	

HP 15.6 Value Black Topload	T9B50AA
HP 15.6 in Value Topload Case	K0B38AA
HP Classic Briefcase	1FK07AA
HP ENVY Urban 15 Briefcase	3KJ73AA
HP Lightweight 15.6 Laptop Bag	1G6D5AA
HP Lightweight 15.6-inch Laptop Backpack	1B3M4AA
HP Prelude 15.6-inch Laptop Bag	2Z8P4AA
HP Prelude 15.6-inch Topload	1E7D7AA
HP Prelude 17.3-inch Laptop Bag	34Y64AA
HP Renew Slim Briefcase	1A214AA
HP Renew Slim Briefcase	1A215AA
HP Renew Topload	1A213AA
HP Renew Topload	1A218AA
HP Renew Tote	1A216AA
HP Renew Tote	1A217AA
HP Renew Travel 15.6-inch Laptop Bag	2Z8A4AA
HP Spectre Folio Top Load	8GF07AA
OMEN Transceptor 17 Duffel Bag	7MT82AA

Covers

HP ENVY Urban 14 Sleeve	3KJ71AA
HP Renew Sleeve	1A853AA

Keyboards/Mice and Input Devices

Mice

HP 220 Silent Wireless Mouse	391R4AA
HP 240 Black Bluetooth Mouse	3VOG9AA
HP 240 Empire Red Bluetooth Mouse	43N05AA
HP 240 Pike Silver Bluetooth Mouse	43N04AA
HP 930 Creator Wireless Mouse	1D0K9AA

Keyboard and Mouse Kits

HP 330 Wireless Mouse and Keyboard Combination	2V9E6AA
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Audio/Multimedia and Communication Devices

Speakers

HP Black Bluetooth Speaker 350	2D802AA
HP Black Bluetooth Speaker 360	2D799AA
HP Blue Bluetooth Speaker 350	2D803AA
HP Blue Bluetooth Speaker 360	2D800AA
HP Gaming Speakers X1000	8PB07AA
HP Silver Bluetooth Speaker 350	2D804AA
HP Silver Bluetooth Speaker 360	2D801AA

Headsets

HP Bluetooth Headset 400	2ZW81AA	obsolete
HP Bluetooth Headset 500	2J875AA	
HP Boom Mic Headset 150	2EM62AA	
HP Earbuds Black Headset 150	X7B04AA	
HP H2800 Black Headset	J8F10AA	
HP In-Ear Headphone 100	1KF54AA	
HP In-Ear Headset 150	2AP91AA	
HP Pavilion Gaming Headset 400	4BX31AA	
HP Pavilion Gaming Headset 600	4BX33AA	
HP Stereo 3.5mm Headset G2	428H6AA	
HP Stereo 3.5mm Headset G2	428K7AA	
HP Stereo 3.5mm Headset G2	428K7UT	
HP Stereo Headset H2800	2AP94AA	
HP Stereo USB Headset G2	428H5AA	
HP Stereo USB Headset G2	428K6AA	
HP Stereo USB Headset G2	428K6UT	
HP X1000 Wireless Gaming Headset	7HC43AA	
OMEN Blast Headset	1A858AA	
OMEN by HP Headset 800	1KF76AA	obsolete
OMEN by HP Mindframe Prime Headset	6MF35AA	
OMEN by HP Mindframe Prime Headset	6MF36AA	

Headphones

OMEN Dyad Earbuds	8JE67AA
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Networking Products

Switches/Hubs/Routers/Converters/Repeaters

HP ENVY USB-C Hub

5LX63AA

Batteries/Chargers/Adapters

Power Adapters

HP Pavilion USB-C to HDMI 2.0 Adapter

2PC54AA

Cables/Cable Kits/Cable Adapters

Cable Adapters

HP USB Type-C to RJ45 Adapter

V8Y76AA

HP USB-C to HDMI 2.0

1WC36AA

HP USB-C to HDMI 2.0

1WC36UT

HP USB-C to RJ45 Adapter

V7W66AA

HP USB-C to RJ45 Adapter

V7W66UT

HP USB-C to USB-A Hub

Z6A00AA

HP USB-C to USB-A Hub

Z6A00UT

HP USB-C to VGA Adapter

N9K76AA

HP USB-C to VGA Adapter

N9K76UT

HP USB-C to VGA Display Adapter

P7Z54AA

Monitors

HP Home Monitors

★ : Recommended

HP Value Displays

HP 24mh 23.8-inch Display	1DOJ9AA	
HP 24mh 23.8-inch Display	7XM23AA	
HP 24x 23.8-inch Gaming Display	5ZU98AA	
HP 25mx 24.5-inch Display	4JF31AA	
HP 25x 24.5-inch Display	3WL50AA	
HP 25x 24.5-inch Display	3WL51AA	
HP 27f 27-inch 4K Display	5ZP65AA	
HP 27f 27-inch 4K Display	5ZP65AS	
HP 27f 27-inch 4K Display	5ZP66AA	
HP 27mx 27-inch Display	4KK74AA	
HP 27x 27-inch Display	3WL52AA	
HP 27x 27-inch Display	3WL53AA	
HP 27xq 27-inch Display	3WL54AA	
HP 27xq 27-inch Display	3WL55AA	
HP M27fq QHD Monitor	2H4B5AA	
HP M27fq QHD Monitor	2H4B5AS	
HP M27fq QHD Monitor	2H4B5E9	
HP M27fq QHD Monitor	2H4B8AA	
HP V28 4K Monitor	8WH57AA	
HP V28 4K Monitor	8WH58AA	
HP V28 4K Monitor	8WH58AS	
HP V28 4K Monitor	8WH59AA	
HP X24c Gaming Monitor	13Q95AA	
HP X24c Gaming Monitor	9EK40AA	
HP X24c Gaming Monitor	9FM22AA	
HP X24c Gaming Monitor	9FM22AS	
HP X27i 2K Gaming Monitor	8AG16AA	
HP X27i 2K Gaming Monitor	8AG17AA	obsolete
HP X27i 2K Gaming Monitor	8GC08AA	
HP X27i 2K Gaming Monitor	8GC08AS	

HP Home Monitors

HP M27ha FHD Monitor	22H94AA
HP M27ha FHD Monitor	35M57AA
HP U27 4K Wireless Monitor	9TQ11AA
HP U27 4K Wireless Monitor	9TQ12AA
HP U27 4K Wireless Monitor	9TQ13AA
HP U27 4K Wireless Monitor	9TQ13AS
HP V241ib FHD Monitor	453D6AA
HP X24i Gaming Monitor	2W922AA
HP X24ih Gaming Monitor	13L82AA
HP X24ih Gaming Monitor	2W924AA
HP X24ih Gaming Monitor	2W925AA
HP X27 FHD Gaming Monitor	2V6B2AA
HP X27 FHD Gaming Monitor	2V6B4E9
HP X27c FHD Gaming Monitor	32G11AA
HP X27c FHD Gaming Monitor	32G12AA
HP X27c FHD Gaming Monitor	32G13AA
HP X27c FHD Gaming Monitor	32G13AS
HP X27c FHD Gaming Monitor	32G13E9
HP X27q QHD Gaming Monitor	2V7U3AA
HP X27q QHD Gaming Monitor	2V7U5E9
HP X27qc QHD Gaming Monitor	32H00AA
HP X27qc QHD Gaming Monitor	32H01AA
HP X27qc QHD Gaming Monitor	32H02AA
HP X27qc QHD Gaming Monitor	32H02AS
HP X27qc QHD Gaming Monitor	32H02E9
HP X32 QHD Gaming Monitor	2V7V2AA
HP X32 QHD Gaming Monitor	2V7V3AA
HP X32 QHD Gaming Monitor	2V7V4AA
HP X32 QHD Gaming Monitor	2V7V4AS
HP X32 QHD Gaming Monitor	2V7V4E9
HP X32c FHD Gaming Monitor	33K29AA
HP X32c FHD Gaming Monitor	33K30AA
HP X32c FHD Gaming Monitor	33K31AA
HP X32c FHD Gaming Monitor	33K31AS
HP X32c FHD Gaming Monitor	33K31E9

HP X34 WQHD Gaming Monitor	2V7W4AA
HP X34 WQHD Gaming Monitor	2V7W5AA
HP X34 WQHD Gaming Monitor	2V7W6AA
HP X34 WQHD Gaming Monitor	2V7W6AS
HP X34 WQHD Gaming Monitor	2V7W6E9

OMEN by HP Displays

OMEN 25i Gaming FHD Monitor	22J05AA
OMEN 25i Gaming FHD Monitor	22J05AS
OMEN 25i Gaming FHD Monitor	22J05E9
OMEN 27i Monitor	8AC94AA
OMEN 27i Monitor	8AC94AS
OMEN 27i Monitor	8AC95AA
OMEN X 25f 240Hz Gaming Display	4WH47AA
OMEN X 25f 240Hz Gaming Display	4WH48AA
OMEN X 27 240Hz Gaming Monitor	6FN07AA
OMEN X 27 240Hz Gaming Monitor	6FN07AS
OMEN X 27 240Hz Gaming Monitor	6FN08AA
OMEN by HP 25 Display	Z7Y57AA
OMEN by HP 25 Display	Z7Y57AS

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