



HP Sales Central

HP ENVY Laptop 16-h0055cl (63U42UA)

Active as of 5/19/2022



Overview

Power, mobility, and seamless creativity anywhere

Experience seamless connectivity with the HP Envy 16". Combine the creative power of your devices with HP Palette. Enjoy the ultimate color accuracy on a 16" display. Plus, with the Intel® Processor¹ and powerful graphics, it can handle what you throw at it. Look and sound your best on video calls with a 5MP camera² with Auto Frame and AI Noise Reduction.

To stay up and creating on the run, you need power, mobility and seamless connectivity between all your creative tools.

List Price

\$2,233.33



Instantly share images and files

Pre-loaded with HP Palette, it includes apps like HP QuickDrop, allowing you to easily transfer files wirelessly.



Look your best on video calls

Experience clear video chats with AI Noise Reduction, and a 5MP camera² with Auto Frame and privacy shutter.



Powerful tools for creating

Experience the ultimate color accuracy on a 16" screen and power from the latest Intel Processor®¹ and impressive graphics.



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.⁴



A dynamic processor that adapts to you for superior multi-tasking performance

12th Gen Intel® Core™ processors distributes performance where you need it the most — saving you time and increasing your ability to do the things you actually want.⁵



Exceptional experience, anywhere

The Intel® Evo™ platform brings together the perfect combination of performance, responsiveness, battery life and stunning visuals in a new class of laptops. These designs are verified by Intel for an exceptional laptop experience, anywhere.⁶

100% sRGB

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



Sustainable design

Because little things make a big difference, this product includes sustainable materials like ocean-bound plastic and post-consumer recycled plastic in the design.⁸

Specifications

Operating system

Windows 11 Pro

Processor family

12th Generation Intel® Core™ i7 processor

Processor

Intel® Core™ i7-12700H (up to 4.7 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads)^{6, 7} 1

Chipset

Intel® Integrated SoC

Sustainable impact specifications

Ocean-bound plastic in bezel, speaker enclosure(s) and hinge cap(s); Recycled metal in cover, keyboard frame and base; Keyboard keycaps and scissors contain post-consumer recycled plastic

Security management

All-in-One keyboard; Trusted Platform Module (Firmware TPM) support

Memory

32 GB DDR5-4800 MHz RAM (2 x 16 GB)

Memory layout (slots & size)

2 x 16 GB

Internal Storage

1 TB PCIe® NVMe™ TLC M.2 SSD

Cloud service

25 GB Dropbox storage for 12 months

Display

16" diagonal, WQXGA (2560 x 1600), multitouch-enabled, 120 Hz, IPS, edge-to-edge glass, micro-edge, Low Blue Light, 400 nits, 100% sRGB

Display size (diagonal)

16"

Graphics

Integrated

Graphics (integrated)

Intel® Iris® Xe Graphics

Ports

2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 USB Type-A 10Gbps signaling rate (HP Sleep and Charge); 1 USB Type-A 10Gbps signaling rate; 1 AC smart pin; 1 HDMI 2.1; 1 headphone/microphone combo

Expansion slots

1 microSD media card reader

Camera

HP True Vision 5MP IR camera with camera shutter, temporal noise reduction and integrated dual array digital microphones

Audio

Audio by Bang & Olufsen; Quad speakers; HP Audio Boost

Pointing device

HP Imagepad with multi-touch gesture support; Precision Touchpad support

Keyboard

Full-size, backlit, natural silver keyboard

Input devices

Accelerometer; IR Thermal sensor; Ambient light sensor

Wireless

Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)

Power supply type

150 W Smart AC power adapter

Battery type

6-cell, 83 Wh Li-ion polymer

Ecolabels

EPEAT® registered

Energy star certified

ENERGY STAR® certified

Product design

Sandblasted, anodized finish

Product color

Natural silver aluminum

Minimum dimensions (W x D x H)

14.07 x 9.91 x 0.78 in

Weight

Starting at 5.12 lb

UPC number

196548018499

Package dimensions (W x D x H)

2.71 x 23.54 x 13.58 in

Package weight

8.18 lb

Software included

McAfee LiveSafe™

Overview

- 1 Multi-core is designed to improve the performance of certain software products. Not all customers or software applications will necessarily benefit from the 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.
- 2 Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included.
- 4 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>.
- 5 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.
- 6 Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.
- 7 The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

Specifications

- 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.

Detailed Specifications

Additional information about HP

<http://www.hp.com>

Aspect ratio

16:10

Audio

Audio by Bang & Olufsen; Quad speakers; HP Audio Boost

Battery capacity

83

Battery capacity uom

Wh

Battery cells number

6

Battery life

Up to 9 hours and 45 minutes

Battery life footnote number

[3]

Battery life video playback

Up to 16 hours and 30 minutes

Battery life video playback footnote number

[10]

Battery recharge time

Supports battery fast charge: approximately 50% in 30 minutes

Battery recharge time footnote number

[5]

Battery type

6-cell, 83 Wh Li-ion polymer

Battery type

Li-ion polymer

Battery weight

0.68 lb

Battery weight

310 g

Bluetooth version

Bluetooth® 5.3

Brightness

400 nits

Camera

HP True Vision 5MP IR camera with camera shutter, temporal noise reduction and integrated dual array digital microphones

Camera brand

HP True Vision

Camera Infrared

IR

Camera microphone

integrated dual array digital microphones

Camera resolution

5

Camera resolution uom

MP

Camera security

camera shutter

Chipset

Intel® Integrated SoC

Cloud service

25 GB Dropbox storage for 12 months

Cloud service footnote number

[1]

Code name

Hayden_22C1

Color

Natural silver

Color gamut

100% sRGB

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Dimensions (W x D x H) Note

Dimensions vary by configuration

Display

16" diagonal WQXGA touch display

Display

16" diagonal, WQXGA (2560 x 1600), multitouch-enabled, 120 Hz, IPS, edge-to-edge glass, micro-edge, Low Blue Light, 400 nits, 100% sRGB

Display bezel

micro-edge

Display brightness

400

Display brightness uom

nits

Display design

edge-to-edge glass

Display panel technology

IPS

Display refresh rate

120

Display refresh rate uom

Hz

Display resolution (pixels)

2560 x 1600

Display resolution standard

WQXGA

Display size (diagonal)

16"

Display size (diagonal)

40.6 cm (16")

Display size (diagonal) uom

"

Display size (diagonal, imperial)

16

Display size (diagonal, metric)

40.6

Display size (diagonal, metric) uom

cm

Display touchscreen type

touch screen

ECC memory

non-ECC

Ecolabels

EPEAT® registered

Energy star certified

ENERGY STAR® certified

Expansion slots

1 microSD media card reader

External I/O ports footnote number

[19,20,42]

Flicker-free

Yes

Flicker-free footnote number

[45]

Graphics

Discrete

Graphics

Integrated

Graphics (discrete)

Intel® Arc™ A370M Graphics (4 GB GDDR6 dedicated)

Graphics (integrated)

Intel® Iris® Xe Graphics

Graphics card brand

Intel®

Graphics card family

GeForce

Graphics card memory size

4

Graphics card memory size uom

GB

Graphics card memory type

GDDR6

Image legal disclaimer

Product image may differ from actual product

Input devices

Accelerometer; IR Thermal sensor; Ambient light sensor

Integrated graphic card note

Intel® Iris® Xe Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® Xe Graphics with Intel® Core™ i5 or i7 processors and single channel memory will only function as Intel® UHD Graphics.

Internal Storage

1 TB PCIe® NVMe™ TLC M.2 SSD

Keyboard

Full-size, backlit, natural silver keyboard

Keyboard backlight

backlit

Keyboard color

natural silver

Keyboard size

Full-size

Legal disclaimer

Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows functionality. See <http://www.microsoft.com>.

Memory

32 GB DDR5-4800 MHz RAM (2 x 16 GB)

Memory and storage

32 GB memory; 1 TB SSD storage

Memory layout (slots & size)

2 x 16 GB

Memory module type

DIMM

Memory Note

Transfer rates up to 4800 MT/s.

Memory size

32

Memory size uom

GB

Memory speed

4800

Memory speed uom

MHz

Memory type

DDR5

Minimum dimensions (W x D x H)

14.07 x 9.91 x 0.78 in

Minimum dimensions (W x D x H)

35.74 x 25.18 x 1.99 cm

Model Number

A370M

Number of memory slots

2

Number of User-accessible Memory Slots

2

Operating system

Windows 11 Pro

Package depth, imperial (most common size)

23.54

Package depth, metric (most common size)

59.8

Package dimensions (W x D x H)

2.71 x 23.54 x 13.58 in

Package dimensions (W x D x H)

6.9 x 59.8 x 34.5 cm

Package height, imperial (most common size)

13.58

Package height, metric (most common size)

34.5

Package weight

3.71 kg

Package weight

8.18 lb

Package width, imperial (most common size)

2.71

Package width, metric (most common size)

6.9

Packaging unit of measure (imperial)

in

Packaging unit of measure (metric)

cm

Performance technology

Intel® Evo™ laptop

Playbook TS icon battery life

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png>

Playbook TS icon connectivity

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png>

Playbook TS icon dimensions NB

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08250394.png>

Playbook TS icon display NB

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08205649.png>

Playbook TS icon graphics

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png>

Playbook TS icon memory

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png>

Playbook TS icon OS

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png>

Playbook TS icon processor

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png>

Playbook TS icon storage

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png>

Playbook TS icon weight imperial

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png>

Playbook TS icon weight metric

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png>

Pointing device

HP Imagepad with multi-touch gesture support; Precision Touchpad support

Ports

2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 USB Type-A 10Gbps signaling rate (HP Sleep and Charge); 1 USB Type-A 10Gbps signaling rate; 1 AC smart pin; 1 HDMI 2.1; 1 headphone/microphone combo

Power supply type

150 W Smart AC power adapter

Processor

Intel® Core™ i7-12700H (up to 4.7 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads)

Processor Brand

Intel®

Processor cache

24 MB L3

Processor core

14

Processor family

12th Generation Intel® Core™ i7 processor

Processor family

Core™ i7

Processor frequency technology

Intel® Turbo Boost Technology

Processor generation

12th Generation

Processor maximum frequency

4.7

Processor maximum frequency uom

GHz

Processor model

12700H

Processor name footnote number

[6,7]

Processor threads

20

Product brand name

HP

Product color

Natural silver aluminum

Product design

Sandblasted, anodized finish

Product long name specifications

HP ENVY Laptop 16-h0055cl, Windows 11 Pro, 16", touch screen, Intel® Core™ i7, 32GB RAM, 1TB SSD, Intel® GeForce A370M, WQXGA, Natural silver

Product long name specifications V2

HP ENVY Laptop 16, Windows 11 Pro, 16", touch screen, Intel® Core™ i7, 32GB RAM, 1TB SSD, Intel® GeForce A370M, WQXGA, Natural silver

Product short name specifications

HP ENVY Laptop 16-h0055cl, 16", Intel® Core™ i7, 32GB RAM, 1TB SSD

Screen-to-body ratio (without speakers)

88.7%

Screen-to-body ratio (without speakers) footnote number

[18]

Security management

All-in-One keyboard; Trusted Platform Module (Firmware TPM) support

Software - Productivity & finance

1 month trial for new Microsoft 365 customers

Software - productivity & finance footnote number

[24]

Software footnote number

[2]

Software included

McAfee LiveSafe™

Storage capacity

1

Storage capacity uom 01

TB

Storage form factor 01

M.2

Storage interface 01

PCIe®

Storage interface protocol 01

NVMe™

Storage memory technology 01

TLC

Storage type

SSD

Storage type 01

SSD

Sustainable impact specifications

Ocean-bound plastic in bezel, speaker enclosure(s) and hinge cap(s); Recycled metal in cover, keyboard frame and base; Keyboard keycaps and scissors contain post-consumer recycled plastic

Sustainable impact specifications footnote number

[39,40,41]

Tech spec footnote

[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.

Tech spec footnote

[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.

Tech spec footnote

[18] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

Tech spec footnote

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

Tech spec footnote

[2] Free 30 day subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration.

Tech spec footnote

[20] USB 20Gbps is not available.

Tech spec footnote

[23] Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

Tech spec footnote

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

Tech spec footnote

[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.

Tech spec footnote

[39] Percentage of ocean-bound plastic contained in each component varies by product.

Tech spec footnote

[40] Laptops manufactured with recycled metal material in product cover. Percentage of recycled metal varies by product.

Tech spec footnote

[41] Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.

Tech spec footnote

[42] For optimal performance and battery chargeability while gaming and rendering, use the power adapter that ships with the PC. You can use the 100W/20V Type-C adapter or power bank when running light loading tasks. System-off charging is only supported on 20V Type-C adapter or power bank.

Tech spec footnote

[44] Based on wireless range test using Chariot benchmark tool. Requires a wireless router, sold separately, that supports 160MHz channels. 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. Performance is subject to environment, buildings, terrain, and other limitations. Check country availability.

Tech spec footnote

[45] Coverage and Throughput improvements with Dynamic Antenna Gain feature enabled based on outdoor free space environment using Friis formula. Dynamic Antenna Gain is a feature under HP Extended Range Wireless Lan. Dynamic Antenna Gain feature is available in EU Red Countries covered by EU and China approval.

Tech spec footnote

[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.

Tech spec footnote

[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.

Tech spec footnote

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

Technology logo, print 3

Publication logos/EPEAT_Gold.jpg

Technology logo, print 4

Publication logos/energy_star_logo.jpg

Technology logo, print 5

Publication logos/Eyesafe.jpg

Technology logo, print 6

Publication logos/McAfee_LiveSafe.jpg

Touchscreen

Yes

Trademark information

All other trademarks are the property of their respective owners.

UNSPSC code

43211503

UPC number

196548018499

Weight

Starting at 2.32 kg

Weight

Starting at 5.12 lb

Weight note (metric)

Weight varies by configuration

Wireless

Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)

Wireless antenna

2x2

Wireless Model

Wi-Fi 6E AX211

Wireless Note

MU-MIMO supported; HP Dynamic Range Technology; HP Extended Range Wireless LAN

Wireless standard

Wi-Fi 6E

Wireless supplier

Intel®

Wireless technologies note footnote number

[44,45]

Wireless transfer speeds

Supporting Gigabit data rate

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