Datasheet

HP ENVY Laptop 13-ah1002na

Exceptional power in a sleek, stylish design

See the power of elegance in motion and explore the freedom to make serious impact. Supported by an Intel® processor, optional NVIDIA® graphics, and lightning-fast storage, it delivers all the confidence you need in a laptop.



BANG & OLUFSEN

Power to perform
Confidently power through any project that comes your way. Thanks to the Intel® Core™ processor, NVIDIA® GeForce® MX 150 graphics on select models, and up to 16 GB RAM, you have all the power you need for up to 14 hours[3] on the go.

Designed for mobility
Elegance and durability are crafted in a thin and light, all-aluminum design with an optional Corning® Gorilla® Glass NBT™ touchscreen that syncs beautifully with a full-size keyboard. Experience a greater sense of freedom thanks to secure logins with the integrated fingerprint reader.

Elevated entertainment
Immerse yourself in next-level entertainment on an ultra-bright FHD[1] or on select models 4K UHD[2] micro-edge display. Quad HP Speakers custom-tuned by experts at Bang & Olufsen awaken your senses with PC audio perfection.

HP CoolSense

epeat SILVER

ENERGY STAR

Audio boost

HP Fast Charge

[1] Full high definition (FHD) content required to view FHD images. [2] Ultra high definition (UHD) content required to view UHD images. [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.

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Featuring

Micro-edge display with edge-to-edge keyboard
This beautifully efficient design couples an ultra-thin bezel with an edge-to-edge keyboard, maximizing display and keyboard area.

Fingerprint reader
Seamlessly log in into your device in any mode with the touch of your finger. Patented 3D fingerprint technology ensures secure access.[20]

Dual 4K support
Complete with all the ports necessary for an immersive dual 4K set up, get an expansive entertainment or productivity experience by easily connecting two external 4K displays.

USB-C™
Power your device, transfer up to 5Gb/s of data, or connect to an external display all from just one USB-C™ port. And it's reversible, so you never have to worry about plugging in upside down.[21,22]

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 45 minutes.[23]

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.

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

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.

[20] Internet service required and not included.
[21] Transfer rate may vary. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

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Specifications

Performance

Operating System
Windows 10 Home 64
Processor
Intel® Core™ i5-8265U (1.6 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores)[6,7]
Processor family: 8th Generation Intel® Core™ i5 processor
Memory
8 GB LPDDR3-2133 SDRAM (onboard)
Transfer rates up to 2133 MT/s.
Storage
256 GB PCIe® NVMe™ M.2 SSD
Dropbox[1]
Graphics
Integrated Intel® UHD Graphics 620
Audio
Bang & Olufsen, quad speakers, HP Audio Boost
Display
33.8 cm (13.3") diagonal FHD IPS BrightView micro-edge WLED-backlit edge-to-edge glass (1920 x 1080)
Power
65 W AC power adapter
Battery Type
4-cell, 53.2 Wh Li-ion
Supports battery fast charge: approximately 50% in 45 minutes[5]
Target battery life
Up to 14 hours estimated battery time[3]
Maximum battery life video playback
Up to 11 hours and 15 minutes[3]

Connectivity

Wireless connectivity
Intel® Wireless-AC 9560 802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo (Miracast compatible; MU-MIMO supported)
Ports
1 USB 3.1 Type-C™ Gen 1 (Data Transfer up to 5 Gb/s, Power Delivery, DisplayPort™ 1.2, HP Sleep and Charge); 2 USB 3.1 Gen 1 (1 HP Sleep and Charge); 1 headphone/microphone combo
1 microSD media card reader
Webcam
HP Wide Vision HD Camera with integrated dual array digital microphone

Design

Product Color
Natural silver; Aluminum cover finish

Software

HP Apps
HP 3D DriveGuard; HP Audio Switch; HP JumpStart
Software
Netflix; 1 month trial for new Microsoft Office 365 customers
Service & support
McAfee LiveSafe™ [2]

Additional information

Part Number
P/N: 5EN46EA #ABU
UPC/EAN code: 193424000616
Energy Efficiency Compliance
ENERGY STAR® certified; EPEAT® Silver registered
Weight
1.3 kg; 2.87 lb
Packed: 2.11 kg
Dimensions
30.7 x 21.2 x 1.49 cm; 12.09 x 8.35 x 0.59 in
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 backlit keyboard
HP Imagepad with multi-touch gesture support
Security management
Fingerprint reader

Recommended accessories*

* Not included.

Warranty services*

Care Pack
3-year pickup and return
UM963E

[1] 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.[2] McAfee LiveSafe 30-day free trial offer (Internet access required. First 30 days included. Subscription required for live updates afterwards.)[3] Estimated Windows 10 battery life based on Windows 10 / MobileMark® 2014 benchmarking. 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 www.bapco.com for additional details.[5] Recharges your battery up to 50% within 45 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 Envy, HP Omen and HP Pavilion models. 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 is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries.[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

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August 2018