Datasheet

HP ENVY Notebook 17-ae103na

Powerfully designed. Beyond expectations.

Surpass the status-quo on a premium laptop that combines the cutting-edge performance you need; with the high-end design you want. Fearlessly tackle everything that comes your way with next-generation processors, an immersive 8 million pixel display and a daring aluminum design.



Tremendous power. Impeccable performance.
Keep your momentum going all-day long, with fast boot up and powerhouse speeds. Packed with an 8th gen Intel® Core™ i7 processor[2] and 8 GB RAM. Doing it all is now within reach.

A front row experience from anywhere
Whether you're watching a movie or editing a video, turn everything on screen into a spectacle with an 8 million pixel display[1], NVIDIA® GeForce® MX150 graphics, and audio by Bang & Olufsen.

A design that demands attention
Beautifully crafted with an aluminum chassis, this design is all about high end style. Combine elegance and efficiency with a massive 43.9 cm (17.3") diagonal display, full-size keyboard, and all the ports you need.

HP CoolSense · epeat SILVER · ENERGY STAR · Audio boost · HP Fast Charge

[1] 4K content is required to view 4K images. [2] 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.

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Specifications

Performance

Operating System
Windows 10 Home 64
Processor
Intel® Core™ i7-8550U (1.8 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores)[6,7]
Processor family: 8th Generation Intel® Core™ i7 processor
Memory
8 GB DDR4-2400 SDRAM (2 x 4 GB)
Transfer rates up to 2400 MT/s.
Storage
1 TB 7200 rpm SATA
256 GB PCIe® NVMe™ M.2 SSD
DVD-Writer
Dropbox[1]
Graphics
Discrete NVIDIA® GeForce® MX150 (4 GB GDDR5 dedicated)
Audio
Bang & Olufsen; HP Audio Boost; Dual speakers
Display
43.9 cm (17.3") diagonal 4K IPS WLED-backlit (3840 x 2160)
Power
90 W AC power adapter
Battery Type
3-cell, 55.8 Wh Li-ion
Supports battery fast charge: approximately 90% in 90 minutes[5]
Target battery life
Up to 10 hours and 45 minutes estimated battery time[3]
Maximum battery life video playback
Up to 9 hours[3]

Connectivity

Network interface
Integrated 10/100/1000 GbE LAN
Wireless connectivity
Intel® 802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (Miracast compatible; MU-MIMO supported)
Ports
1 USB 3.1 Type-C™ Gen 1 (Data Transfer up to 5 Gb/s, DP1.2, HP Sleep and Charge); 3 USB 3.1 Gen 1 (1 HP Sleep and Charge); 1 HDMI; 1 RJ-45; 1 headphone/microphone combo
1 multi-format SD media card reader
Webcam
HP Wide Vision FHD IR Camera with dual array digital microphone

Design

Product Color
Natural silver; Aluminum cover finish

Software

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

Additional information

Part Number
P/N: 2PJ46EA #ABU
UPC/EAN code: 192018099548
Energy Efficiency Compliance
ENERGY STAR® certified; EPEAT® Silver registered
Weight
3.04 kg
Dimensions
41.6 x 28.3 x 2.33 cm
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 with numeric keypad
HP Imagepad with multi-touch gesture support
Security management
Kensington MicroSaver® lock slot

Compatible 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 90% within 90 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 90% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP Spectre, HP Envy, HP Omen and HP Pavilion PC 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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