Datasheet

HP Pavilion Notebook 15-cx0511na

A powerful laptop that delivers the performance to play

The HP Pavilion Gaming Laptop is designed so you can excel at any task. Gaming. Creation. Entertainment. An Intel® Core™ processor and discrete graphics work together to jumpstart everything you do. Don't settle for average performance. Prepare yourself for a new level of power.



A gaming and entertainment machine

Take on the latest games and upgrade your entertainment with up to NVIDIA® GeForce® GTX 1060 or AMD Radeon™ RX 560 graphics. Up to 4K display[1], or a FHD display[2] with 144Hz refresh rate[3] on select models, play time is no joke.

Immerse yourself

See more of the action on a stunning edge-to-edge display, and enjoy rich, authentic audio with front-firing speakers, HP Audio Boost, and tuning by B&O PLAY.

This is serious performance

Get powerful multitasking and fast responsiveness with an Intel® Core™ processor[4] and PCIe SSD or dual storage (HDD + PCIe SSD) on select models. Enjoy improved connectivity with fast throughput thanks to Wi-Fi supporting gigabit speeds on select models.

HP Fast Charge

epeat SILVER

ENERGY STAR

[1] 4K content required to view full 4K images. [2] Full HD (FHD) content required to view FHD images. [3] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. [4] Intel, the Intel Logo, Intel Inside, Intel Core, and Core Inside are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

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Featuring

A truly powerful audio experience
With HP Dual Speakers, HP Audio Boost, and custom tuning by the experts at B&O PLAY, you can experience rich, authentic audio. Let the sound move you.

Backlit keyboard with integrated numeric pad
Keep going even in dimly lit rooms or aboard red-eye flights. With an illuminated keyboard and integrated numeric pad, you can type comfortably in more environments.

USB-C™
Transfer data at high speeds to or from your external storage with this USB-C™ port. And it's reversible, so you never have to worry about plugging in upside down.[18,19]

HP Jumpstart
When you boot up your PC for the first time, get a personal walkthrough during the setup and get an informative overview of your PC's features.

[18] 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.
[19] USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.

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Specifications

Performance

Operating System
Windows 10 Home 64
Processor
Intel® Core™ i5-8300H (2.3 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™ i5 processor
Chipset
Intel® HM370
Memory
8 GB DDR4-2666 SDRAM (2 x 4 GB)
Transfer rates up to 2666 MT/s.
Storage
1 TB 7200 rpm SATA
16 GB PCIe® NVMe™ Intel® Optane™ Memory for storage acceleration
Dropbox[1]
Graphics
Discrete NVIDIA® GeForce® GTX 1050 (2 GB GDDR5 dedicated)
Audio
B&O PLAY, dual speakers, HP Audio Boost
Display
39.6 cm (15.6") diagonal FHD IPS anti-glare micro-edge WLED-backlit (1920 x 1080)
Power
135 W AC power adapter
Battery Type
3-cell, 52.5 Wh Li-ion
Supports battery fast charge: approximately 50% in 45 minutes[5]
Target battery life
Up to 10 hours and 15 minutes estimated battery time[3]
Maximum battery life video playback
Up to 9 hours and 15 minutes[3]

Connectivity

Wireless connectivity
802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 combo (MU-MIMO supported; Miracast compatible)
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 HDMI 1.4; 1 RJ-45; 1 headphone/microphone combo
1 multi-format SD media card reader
Webcam
HP Wide Vision HD Camera with integrated dual array digital microphone

Design

Product Color
Shadow black, acid green logo; Vertical brushing keyboard frame pattern

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: 4AY77EA #ABU
UPC/EAN code: 193015068506
Energy Efficiency Compliance
ENERGY STAR® certified; EPEAT® Silver registered
Weight
2.3 kg
Dimensions
36.5 x 25.65 x 2.54 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 NanoSaver™ security lock support
Sensors
Accelerometer

Recommended accessories*

* Not included.



HP USB Headset 500
1NC57AA



HP Wireless Mouse Z4000
H5N61AA



HP 15.6 in Black Odyssey Backpac
L8J88AA

Warranty services*

3-year pickup and return
U4819E

[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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May 2018