

OMEN Laptop 17-cb0267ng



Desktop power packed in a laptop

Stunning desktop-grade power in a sleek, portable design keeps you playing your best wherever gaming takes you. Take on the most demanding AAA game titles with NVIDIA® GeForce® graphics and a 9th generation Intel® Core™ processor¹. Immerse yourself in smooth gameplay on a narrow-bezel display with fast refresh rates.



Desktop-grade performance

Get the power of a desktop in your laptop. With a 9th generation Intel® Core™ processor¹, NVIDIA® GeForce® graphics, and accelerated storage, nothing holds you back.



Fast, fluid gameplay

Crisp gameplay is crucial if you want to play at your best. With a high resolution and fast refresh rate², on-screen visuals are swift and smooth, while a narrow bezel display delivers edge-to-edge immersion.



Designed for power

The OMEN 17 Laptop's sleek, modern design is engineered to produce desktop-grade power. With an advanced thermal cooling solution and single-panel access to internals for easy upgradeability, nothing stops you from playing at your best.



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Featuring

NVIDIA® GeForce RTX™ 2060 graphics

Enjoy real-time ray tracing in games and get all the power you need for a fast and smooth gaming experience.

9th generation Intel® Core™ processor i7

Experience a breakthrough in processor performance that delivers incredible in-game experiences and enables crisp, simultaneous live-streaming. Edit and render pure 4K quality, and stream only the best content.³

Full HD display

Sit back and enjoy crystal-clear visuals and images with the vibrant quality of 2 million pixels. The 1920 x 1080 resolution gives all your digital content a new dimension.⁴

Dragon Red backlit keyboard

Illuminate your entire keyboard in Dragon Red, or highlight WASD in white for instant recognition. And with full-size directional arrow keys, you won't have to worry about a disastrous missclick.

DDR4 RAM

Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 512 GB PCIe SSD storage.

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.⁵

Wi-Fi 5 (2x2) & Bluetooth® 5.0

Never worry about spotty Internet and weak connections. Stay powerfully connected to Wi-Fi and to Bluetooth® accessories with the latest Wi-Fi 5 (2x2) WLAN adapter and Bluetooth® 5.0.⁶

MU-MIMO supported

If you have several MU-MIMO devices in your home, MU-MIMO support works in combination with a MU-MIMO router to maximize network traffic for a smoother online experience.

HDMI out

It's never been easier to give your device a bigger or second display. With HDMI output you can transmit HD video and sound with just one standard cable.

Advanced thermal management

The latest in heat management brings you an optimized thermal design and IR sensor, which keeps your laptop cool to touch without affecting sound quality.

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.

Narrow bezel display

By squeezing a larger screen into a smaller frame, this narrow bezel optimizes your display's appearance with an efficient design.

An exceptionally rich audio experience

With HP Dual 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.

Single access panel

Quickly access your PC's internals with the large, single panel on the bottom of the laptop. Held on by only a few screws, it's easily removable for upgrading or maintenance.

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Specifications

Performance

Operating system

FreeDOS

Processor

Intel® Core™ i7-9750H (2.6 GHz base frequency, up to 4.5 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores)^{6,7}

Processor family: 9th Generation Intel® Core™ i7 processor

Chipset

Intel® HM370

Memory

16 GB DDR4-2666 SDRAM (2 x 8 GB)

Transfer rates up to 2666 MT/s.

Storage

512 GB PCIe® NVMe™ M.2 SSD

Optical drive not included

Graphics

Discrete: NVIDIA® GeForce RTX™ 2060 (6 GB GDDR6 dedicated) ;

Powered by NVIDIA Turing™ GPU architecture

Audio

B&O; dual speakers; HP Audio Boost; Omen Audio Control Support DTS:X® Ultra

Display

43.9 cm (17.3") diagonal FHD, 144 Hz, IPS, anti-glare, WLED-backlit, 300 nits, 100% sRGB (1920 x 1080)

Screen-to-body ratio

80.47%

Power

200 W Smart AC power adapter;

Battery type

4-cell, 70 Wh Li-ion polymer;

222 g;

Battery and Power

Up to 4 hours and 30 minutes³;

Supports battery fast charge: approximately 50% in 45 minutes⁵

Maximum battery life video playback

Up to 3 hours and 30 minutes¹⁰

Connectivity

Network interface

Integrated 10/100/1000 GbE LAN

Wireless connectivity

Intel® Wireless-AC 9560 802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo (Supporting Gigabit file transfer speeds)^{11,12}

MU-MIMO supported; Miracast compatible

Ports

1 USB 3.1 Gen 2 Type-C™ with Thunderbolt™ 3 (40 Gb/s signaling rate, DisplayPort™ 1.4, HP Sleep and Charge); 3 USB 3.1 Gen 1 Type-A; 1 HDMI; 1 RJ-45; 1 headphone/microphone combo; 1 microphone; 1 AC smart pin; 1 Mini DisplayPort™

1 multi-format SD media card reader

Webcam

HP Wide Vision HD Camera with integrated dual array digital microphone

Design

Product color

Shadow black

Sandblasted hairline finish

Additional information

Part Number

P/N: 16F52EA #ABD

UPC/EAN code: 195122036089

Weight

Starting at 2.97 kg;

Packed: 4.7 kg

Weight Note: Weight varies by configuration

Dimensions

40.5 x 29.5 x 2.7 cm;

Packed: 6.9 x 34.5 x 59.8 cm

Dimension Note: Dimensions vary by configuration

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, 1-zone dragon red backlit, shadow black keyboard with numeric keypad and 26-Key

Rollover Anti-Ghosting Key technology

Touchpad with multi-touch gesture support; Precision Touchpad Support

Security management

Fingerprint reader not available

Sensors

Accelerometer

OMEN Laptop 17-cb0267ng

Recommended accessories

* Not included.



OMEN by HP Mouse 600
1KF75AA



OMEN by HP Headset
800
1KF76AA



OMEN by HP Mouse Pad
100
1MY14AA



3-year pickup and return
U4819E

Key Selling Points Footnotes

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. Intel's numbering, branding and/or naming is not a measurement of higher performance.

² All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Feature Messaging Footnotes

³ 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. Internet service required and not included. 4K content required to view full 4K images. Graphics output may be limited based on the maximum resolution of the display

⁴ Full high-definition (FHD) content is required to view FHD images.

⁵ Features may require software or other 3rd party applications to provide the described functionality.

⁶ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11ac) is backwards compatible with prior Wi-Fi 5 specs.

Technical Specifications Footnotes

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.

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 products. 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, 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.

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.

¹¹ Wi-Fi® supporting gigabit speeds is achievable when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160 MHz channels.

¹² Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.

