

OMEN Laptop 15-en0050ur



Will cause others to feel laptop envy

It's not just a gaming laptop, it's THE gaming laptop. Obviously, the OMEN 15 has a powerful AMD® processor and NVIDIA® graphics in a compact frame. Did we mention it has a fast display and long battery life? Yeah, it has everything and you can take it even further with OMEN Command Center. So, just enjoy those envious looks while you play, it's only natural.



*Product image may differ from actual product



AUDIO BY
BANG & OLUFSEN



Powerful in all the right places

The OMEN 15 is a perfect example of how there can never be too much of a good thing. With a powerful AMD® processor and NVIDIA® graphics cooled by OMEN Tempest Cooling, it makes you think how it all fits into such a tiny little package.

Beautiful doesn't begin to describe it

We don't need to tell you how good it looks and feels to play on, but we're going to do it anyway. It's easy on the eyes with a luscious design and fast display. Crafted with Audio by Bang & Olufsen and super long battery life, so that means you won't stop farming those wins or those admiring looks.

Now it's personal

The OMEN 15 doesn't just stop at having powerful specs and an amazing look. With OMEN Command Center, you can customize and optimize everything from performance controls to the customized keyboard. It's easy to upgrade and has all the ports you need, so you can take it even further beyond other mere gaming laptops.



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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.

AMD FreeSync™ technology

See and feel the difference of fluid, responsive gameplay. By synchronizing the refresh rate with your GPU, AMD FreeSync™ makes display stutter, input lag, and screen tears ancient history.¹

144 Hz FHD anti-glare display

Reduce frustrating lag and image ghosting with a display that combines a 144 Hz refresh rate and a 1080p resolution for smooth, crisp gameplay.²

Four Zone RGB keyboard

Allows you to backlight 4 independent zones with different RGB lighting. WASD keys are outlined to highlight key controls. It's all easily controlled through the OMEN Command Center.

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.

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.³

Effortlessly connected

Enjoy a smoother wireless experience with Wi-Fi 6 (2x2) and Bluetooth® 5.0 combo, all your connections are solid and up to 3x faster file transfer speeds than Wi-Fi 5.⁴

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.

Elevated aesthetic

Designed with an aluminum-finished palm rest for a premium look.

Thin and light gaming

A small footprint and thin and light design lets you easily take this PC with you for ultraportable gaming.

Three sided narrow bezel

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

Fast charging batteries

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.¹⁴

OMEN Tempest Cooling Technology

Stay cool under pressure with the advanced laptop thermal solution, OMEN Tempest Cooling Technology. 3-sided venting and 5-way airflow ensure optimal system stability and performance when gameplay heats up.¹⁵

Crafted for expansion

Easy single-panel access to SSD and RAM allow for future expansion capability.

DTS: X Ultra Technology

By producing authentic, spatially accurate 3D sound through any headset, this technology offers specially tuned audio modes for different game types to provide immersion for the best entertainment experience possible.¹⁶

An exceptionally rich audio experience

HP speakers, custom-tuned in collaboration with experts at Bang & Olufsen, bring entertainment to life with sound you can feel. Awaken your senses with PC audio perfection.

HP Audio Boost

Feel and hear state-of-the-art sound with the next generation of HP Audio Boost and SmartAmp technology—providing louder, richer sound and booming bass performance without distortion.

Enlarged touchpad

More room on your touchpad makes controlling your PC effortless and intuitive.

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Specifications

Performance

Operating system

FreeDOS

Processor

AMD Ryzen™ 9 4900H (3.3 GHz base clock, up to 4.4 GHz max boost clock, 8 MB L3 cache, 8 cores)^{6,7}

Processor family: AMD Ryzen™ 9 processor

Chipset

AMD Integrated SoC

Memory

16 GB DDR4-3200 SDRAM (2 x 8 GB)

Transfer rates up to 3200 MT/s.

Number of user-accessible: 2

Storage

1 TB 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

Audio by Bang & Olufsen; DTS:X® Ultra; OMEN Audio Control Support DTS:X® Ultra; Dual speakers; HP Audio Boost 2.0

Display

39.6 cm (15.6") diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, micro-edge, anti-glare, 300 nits, 72% NTSC¹⁷

Screen-to-body ratio

80.95%¹⁸

Power

200 W Smart AC power adapter;

Battery type

6-cell, 70.9 Wh Li-ion polymer;

270 g;

Battery and Power

Up to 7 hours and 30 minutes³;

Supports battery fast charge: approximately 50% in 45 minutes⁵

Maximum battery life video playback

Up to 7 hours and 45 minutes¹⁰

Connectivity

Network interface

Integrated 10/100/1000 GbE LAN

Wireless connectivity

Intel® Wi-Fi 6 AX200 (2x2) and Bluetooth® 5 combo (Supporting Gigabit file transfer speeds)^{4,11,12,13,16}

Miracast compatible; MU-MIMO supported

Ports

1 SuperSpeed USB Type-C® 5Gbps signaling rate (DisplayPort™ 1.4, HP Sleep and Charge); 1

SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 2 SuperSpeed USB

Type-A 5Gbps signaling rate; 1 Mini DisplayPort™; 1 HDMI 2.0a; 1 RJ-45; 1 AC smart pin; 1

headphone/microphone combo¹⁹

1 multi-format SD media card reader

Webcam

HP Wide Vision 720p HD camera with integrated dual array digital microphones

Design

Product color

Mica silver cover and base, mica silver aluminum keyboard frame

Matte cover and base, anodized keyboard frame

Additional information

Part Number

P/N: 2X1D5EA #ACB

UPC/EAN code: 195161988462

Weight

2.47 kg;

Packed: 3.65 kg

Weight Note: Weight varies by configuration

Dimensions

35.79 x 23.97 x 2.25 cm;

Packed: 6.9 x 52 x 30.5 cm

Dimension Note: Dimensions vary by configuration

Warranty

1 year limited parts, labour, and carry-in service; You can expand the warranty coverage of your product to reach up to 3 years in total; for more information, check with your HP reseller.

Keyboard

Full-size, 4-zone RGB backlit, mica silver keyboard and 26-Key Rollover Anti-Ghosting Key technology

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

Features

Support AMD Radeon FreeSync™ technology

Security management

Fingerprint reader not available

Sensors

IR Thermal sensor

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Recommended accessories

* Not included.



OMEN by HP Reactor Mouse
ZVP02AA



OMEN Transceptor 15 Rolltop Backpack
7MT83AA



3-year return to depot
UM931E

Key Selling Points Footnotes

Feature Messaging Footnotes

- ¹ FreeSync™ is only available when it is connected on Display Port or HDMI port. FreeSync™ is an AMD technology enabled on FHD or QHD displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. Monitor, AMD Radeon™ Graphics and/or AMD A-Series APU compliant with DisplayPort™ Adaptive-Sync required. AMD Catalyst™ 15.2 Beta (or newer) required. Adaptive refresh rates vary by display.
- ² All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ³ Features may require software or other 3rd party applications to provide the described functionality.
- ⁴ 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. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported. Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where the Wi-Fi 6 (802.11ax) will be disabled and downgraded to 802.11ac by the Intel's DRS solution.
- ¹⁴ 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 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.
- ¹⁵ Thermal solution varies by configuration.
- ¹⁶ Listening to personal stereo equipment at full volume for long periods can damage the user's hearing. To reduce the risk of hearing damage, lower the volume and amount of time listening at full volume.

Technical Specifications Footnotes

- 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.
- ⁴ Support for 802.11ac feature are dependent on country regulations. The following countries restrict the use of 802.11ac: Russia, Ukraine, Belarus, Kazakhstan and Egypt. Actual speeds will be vary based on range, connections, size of network and other factors. Accessing the wireless network requires a Wifi-enabled device. Range will vary with site conditions.
- 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. AMD's numbering is not a measurement of clock speed.
- ⁷ Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
- 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.
- ¹³ 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. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported.
- ¹⁶ Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).
- ¹⁷ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ¹⁸ Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.
- ¹⁹ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

