

OMEN 15 Laptop 15-en0271ng



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.



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

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.

OMEN Command Center

A single touch-point for all HP gaming systems. System Vitals dynamically display your key metrics for optimal performance, while Network Booster sends gaming network traffic to the front of the line. Personalize your machine's look with customized chassis lighting.

Enlarged touchpad

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

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Specifications

Performance

Operating system

Windows 10 Home 64

Processor

AMD Ryzen™ 7 4800H (2.9 GHz base clock, up to 4.3 GHz max boost clock, 4 MB L2 cache, 8 cores)^{6,7}

Processor family: AMD Ryzen™ 7 processor

Chipset

AMD Integrated SoC

Memory

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

Transfer rates up to 3200 MT/s.

Storage

512 GB PCIe® NVMe™ M.2 SSD

Optical drive not included

Dropbox¹

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, 144 Hz, IPS, anti-glare, micro-edge, WLED-backlit, 300 nits, 72% NTSC (1920 x 1080)¹⁷

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

Connectivity

Network interface

Integrated 10/100/1000 GbE LAN

Wireless connectivity

Realtek Wi-Fi 5 (2x2) and Bluetooth® 5 combo ¹⁴

MU-MIMO supported; Miracast compatible

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 combo

1 multi-format SD media card reader

Webcam

HP Wide Vision HD Camera with integrated dual array digital microphone

Design

Product color

Mica silver

Software

HP apps

OMEN Command Center; HP 3D DriveGuard; HP Audio Switch; HP JumpStart; HP Support Assistant

Software

Netflix; ExpressVPN (30 day free trial); LastPass Premium (30 day free trial); 1 month trial for new Microsoft Office 365 customers

Service & support

McAfee LiveSafe™ ²

Additional information

Part Number

P/N: 16S40EA #ABD

UPC/EAN code: 195122059538

Energy efficiency compliance

ENERGY STAR® certified; EPEAT® Silver registered

Weight

Starting at 2.37 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

2 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, mica silver keyboard with 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
2VP02AA



Omen X by HP Mindframe Headset
3XT27AA



OMEN Transceptor 15 Rolltop Backpack
7MT83AA



3-year pickup and return
UM946E

Warranty services*

Key Selling Points Footnotes

Feature Messaging Footnotes

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

¹ New Dropbox users are eligible to get 25 GB of Dropbox space free for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.

² Free 30 day subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration.

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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.

¹⁴ 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.

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.

²² Reverting to LastPass basic after 30 days.

