



OMEN Laptop 17-an198nx

Portable gaming powerhouse

When the competition is relentless, greatness is achieved by those heroes who rise to the occasion. Equipped with powerful hardware and an aggressive design, the OMEN Laptop takes mobile performance seriously, letting you conquer any challenge in-game from just about anywhere.



Go on, turn up the settings

With this kind of power, they'll be running scared. Includes an Intel® Core™ processor¹ and NVIDIA® graphics. And with high performance cooling in your arsenal, you're ready to conquer even the most intensive AAA titles.



Every last detail. In your sights.

Command every keystroke on a zoned backlit keyboard with customizable macros and 26-key rollover anti-ghosting, which helps ensure multiple keystrokes are detected. With a 4K² display or FHD³ with 60 Hz or 144 Hz refresh rate display⁴ (on select models), combat feels closer than ever.



Upgrade. Expand. Evolve.

Level up to the latest hardware and make upgrading a breeze with single panel access to internals. A Thunderbolt 3-certified USB-C™ port (on select models)⁵, 3 USB Type A ports, and an HDMI port lets you easily adapt to all the action.

OMEN



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 is not a measurement of higher performance. ² Full high-definition (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 USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.

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Featuring

8th Generation Intel® Core™ processor

Upgrade performance with smooth system responsiveness and fast load times for an exceptional PC experience. Supporting resolution up to stunning 4K, stream premium content or even create your own.⁵

HP Audio Boost

Take your audio experience to the next level with smart amplification technology giving you loud, clear and dynamic sound.

Oculus ready

We've collaborated with Oculus to tune and test our machines for a smooth, seamless VR experience right out of the box.

HTC optimized

Tuned and tested with the engineers at HTC, we've stressed the hardware and drivers with the most intensive games to ensure an optimal VR experience right out of the box.

Dragon Red backlit keyboard

Illuminate your entire keyboard in Dragon Red, or highlight WASD in white for instant recognition. And with programmable macro keys, one press instantly delivers a fully customizable key combination.

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.

OMEN Command Center

Set up devastating one-click key combinations with included software that gives control over the customizable macro keys. This easy-to-use interface also helps prioritize gaming traffic, minimizing network latency

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.²⁰

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.

USB-C™ Thunderbolt

Power your device, connect an external display, or transfer data at a blazing 40Gbs all from one impressive USB-C™ Thunderbolt™ port. And it's reversible, so you never have to worry about plugging in upside down.^{21,22}

⁵ 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. 4K content required to view full 4K images. System loading time and responsiveness dependent upon product configuration.

²⁰ Features may require software or other 3rd party applications to provide the described functionality.

²¹ 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.

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Specifications

Performance

Operating System

Windows 10 Home 64

Processor

Intel® Core™ i7-8750H (2.2 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores)^{6,7}

Processor family: 8th Generation Intel® Core™ i7 processor

Chipset

Intel® HM370

Memory

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

2 user-accessible memory slots; Transfer rates up to 2666 MT/s.

Storage

1 TB 7200 rpm SATA

512 GB PCIe® NVMe™ M.2 SSD

Dropbox¹

Graphics

Discrete NVIDIA® GeForce® GTX 1070 (8 GB GDDR5 dedicated)

Audio

Bang & Olufsen, dual speakers, HP Audio Boost, DTS Headphone:X™ support

Display

43.9 cm (17.3") diagonal FHD 144 Hz IPS anti-glare WLED-backlit (1920 x 1080)

Power

230 W AC power adapter

Battery Type

8-cell, 86 Wh Li-ion

Supports battery fast charge: approximately 50% in 45 minutes⁵

Maximum battery life video playback

Up to 9 hours and 15 minutes³

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 (Miracast compatible; MU-MIMO supported)

Ports

1 Thunderbolt™ 3 (Data Transfer up to 40 Gb/s, DP1.2, HP Sleep and Charge); 3 USB

3.1 Gen 1 (1 HP Sleep and Charge); 1 Mini DisplayPort™; 1 HDMI; 1 RJ-45; 1

headphone/microphone combo; 1 microphone-in

1 multi-format SD media card reader

Webcam

HP Wide Vision HD Camera with integrated dual array digital microphone

Design

Product Color

Shadow black cover; Carbon fiber cover pattern, sandblasted hairline keyboard frame finish

Software

HP Apps

OMEN Command Center; 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: 3YA61EA #A2N

UPC/EAN code: 192545969697

Energy Efficiency Compliance

ENERGY STAR® certified; EPEAT® Silver registered

Weight

3.78 kg

Dimensions

42.3 x 30.4 x 3.3 cm

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 2-zone lighting backlit keyboard with numeric keypad and NKRO

Touchpad with multi-touch gesture support

Features

NVIDIA G-SYNC™ technology

Security management

Kensington NanoSaver™ security lock support

Sensors

Accelerometer

Recommended accessories*

* Not included.



**OMEN by HP
Mouse 600**
1KF75AA



**OMEN by HP
Headset 800**
1KF76AA



**OMEN by HP
Keyboard 1100**
1MY13AA



**3-year return to
depot**
U4817E

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 12-month free trial offer (Internet access required. First 12 months 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.hp.com for additional details.⁴ 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.⁵ 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.⁶ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

