

OMEN Laptop 17-an023na



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.

A Dragon Red backlit keyboard with highlighted WASD, customizable macros, and 26-key rollover anti-ghosting, ensures every keystroke is detected. With a 1080p with 120 Hz refresh rate² display, combat without frustrating lag and image ghosting.



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™ port³, 3 USB Type A ports, and an HDMI port lets you easily adapt to all the action.

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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. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ³ 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™ i7-7700HQ (2.8 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores)^{6,7}
Processor family: 7th Generation Intel® Core™ i7 processor

Chipset

Intel® HM175

Memory

8 GB DDR4-2400 SDRAM (1 x 8 GB)

2 user-accessible memory slots; Transfer rates up to 2400 MT/s.

Storage

1 TB 7200 rpm SATA

128 GB PCIe® NVMe™ M.2 SSD

Dropbox¹

Graphics

Discrete NVIDIA® GeForce® GTX 1060 (6 GB GDDR5 dedicated)

Audio

Bang & Olufsen; HP Audio Boost; Dual speakers

Display

43.9 cm (17.3") diagonal FHD 120 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 90% in 90 minutes⁵

Target battery life

Up to 12 hours and 45 minutes estimated battery time³

Maximum battery life video playback

Up to 11 hours³

Connectivity

Network interface

Integrated 10/100/1000 GbE LAN

Wireless connectivity

Intel® 802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (Miracast compatible)

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 FHD IR 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

HP Audio Switch; HP JumpStart; HP Sure Connect; HP CoolSense; HP Orbit

Software

Netflix; 1 month trial for new Microsoft® Office 365 customers

Service & support

McAfee LiveSafe™²

Additional information

Part Number

P/N: 2MD76EA #ABU

UPC/EAN code: 192018631878

Energy Efficiency Compliance

ENERGY STAR® certified; EPEAT® Silver registered

Weight

3.78 kg

Dimensions

42.3 x 30.4 x 3.3 cm

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 island-style backlit keyboard with numeric keypad

Touchpad with multi-touch gesture support

Features

NVIDIA G-SYNC™ technology

Security management

Kensington MicroSaver® lock slot; Power-on password; Accepts third-party security lock devices

Compatible accessories*

* Not included.



**OMEN by HP
Mouse 600**
1KF75AA



**OMEN by HP
Headset 800**
1KF76AA



**OMEN by HP
Keyboard 1100**
1MY13AA



**3-year pickup and
return**
UM963E

Warranty services*

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 90% within 90 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 90% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP Spectre, HP Envy, HP Omen and HP Pavilion PC 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.

