

Datasheet

# OMEN by HP Laptop 15-dc1001na



## The best never rest

You've got places to go, plays to make, and power to proclaim. With the OMEN by HP 15 Laptop, you can play at your best from anywhere - without sacrificing performance. Keep moving and improving your skills on a compact, portable rig designed to deliver desktop-class graphics performance, total immersion, and easy upgradability.



**Power designed to propel you forward**  
With NVIDIA® graphics, a high-performance Intel® Core™ processor<sup>1</sup>, and an enhanced thermal solution - you've got the power to hone your skills anywhere.



**Every last detail in your sight**  
Get lost in an immersive narrow bezel display with breathtaking resolution. A zoned backlit keyboard with 26-key rollover is strategically designed to accelerate your gaming reflexes.



**Upgrade. Expand. Evolve.**  
The OMEN 15 Laptop is geared for easy upgrades and maintenance with single panel access to HDD, SSD, and RAM. Plus, take advantage of a generous port selection for your favorite accessories and external displays.





<sup>1</sup> 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, the Intel Logo, Intel Inside, Intel Core, and Core Inside are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

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## Featuring

### DTS Headphone: X technology

By producing authentic, spatially accurate 3D sound through any headphones or earbuds, this technology gives games, movies, and music a level of depth and immersion for the best entertainment experience possible.

### 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.

### USB 3.0 connector

With the world's most popular USB connection, you can easily connect any of your existing USB devices and experience data transfer speeds ten times faster than USB 2.0.

### Mini DisplayPort

Get all the benefits of the robust DisplayPort on your most portable devices. Transmit audio and up to 4K video in stunning quality.<sup>19</sup>

### OMEN power. Now streaming.

Now you can easily play PC games on your big screen TV with OMEN Game Stream—a free remote gaming service that lets you stream from your OMEN PC to other Windows 10 PCs.<sup>20</sup>

### 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.

### Ethernet port

When you have a spotty wireless connection, you can quickly plug in your Ethernet cable to get a smooth, wired Internet experience that bypasses any wireless issue.

<sup>19</sup> Transmit up to 4K video and audio.  
<sup>20</sup> Must activate a Game Stream account on your OMEN PC and download the OMEN Command Center app from the Microsoft Store onto another Windows 10 PC with these minimum requirements: OS: Windows 10 (Fall Creators Update or later), CPU: Intel® Core™ i5 processor (5th Generation or later), GPU: Intel® HD 4000 / NVIDIA® 8000 series / AMD® 2000 series or better with latest graphics drivers, Memory: 4GB DDR3. Minimum upload and download speed of 10 Mb/s at 5GHz is required.

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## Specifications

## Performance

## Operating system

Windows 10 Home 64

## Processor

Intel® Core™ i5 8300H (2.3 GHz base frequency, up to 4 GHz base with Intel® Turbo Boost Technology, 8 MB cache, 4 cores)

Processor family: 8th Generation Intel® Core™ i5 processor <sup>6,7</sup>

## Chipset

Intel® HM370

## Memory

8 GB DDR4-2666 SDRAM (1 x 8 GB)

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

## Storage

1 TB 7200 rpm SATA

256 GB PCIe® NVMe™ M.2 SSD

Dropbox<sup>1</sup>

## Graphics

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

## Audio

Bang &amp; 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

200 W AC power adapter;

## Battery type

4-cell, 70 Wh Li-ion;

Supports battery fast charge: approximately 50% in 45 minutes <sup>5</sup>

## Battery and Power

## 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) <sup>11,12</sup>

Miracast compatible; MU-MIMO supported

## 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 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

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 &amp; support

McAfee LiveSafe™ <sup>2</sup>

## Additional information

## Part Number

P/N: 4UM36EA #ABU

UPC/EAN code: 193905026364

## Energy efficiency compliance

ENERGY STAR® certified; EPEAT® Silver registered

## Weight

2.5 kg;

Packed: 3.95 kg

## 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 4-zone lighting backlit keyboard with numeric keypad and NKRO

Touchpad with multi-touch gesture support

## Security management

Kensington Security Slot™

## Sensors

Accelerometer

## Warranty services\*

3-year pickup and return  
U4819E<sup>1</sup> 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](http://www.dropbox.com). Internet service required and not included.<sup>2</sup> McAfee LiveSafe 30-day free trial offer (Internet access required. First 30 days included. Subscription required for live updates afterwards.)<sup>5</sup> 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.<sup>11</sup> 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.<sup>12</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

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