

# OMEN Laptop 17-an117nm



## 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™ processor<sup>1</sup> 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 4K<sup>2</sup> display or FHD<sup>3</sup> with 60 Hz or 144 Hz refresh rate display<sup>4</sup> (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)<sup>5</sup>, 3 USB Type A ports, and an HDMI port lets you easily adapt to all the action.

O M E N



<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's numbering is not a measurement of higher performance.

<sup>2</sup> Full high-definition (FHD) content required to view FHD images.

<sup>3</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>5</sup> 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.<sup>2</sup>

### Full HD display

Sit back and enjoy crystal-clear visuals and images with the vibrant quality of 2 million pixels. The 1920 x 1080 resolution gives all your digital content a new dimension.<sup>19</sup>

### An exceptionally rich audio experience

With HP Dual Speakers, HP Audio Boost, and custom tuning by the experts at Bang & Olufsen, entertainment comes to life with sound you can feel. Awaken your senses with PC audio perfection.

### Four-zone island-style backlit 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 options

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.

### PCIe SSD storage

Available in capacities up to 256 GB, PCIe-based flash storage is up to 17x faster than a traditional 5400-rpm laptop hard drive.<sup>5</sup>

### 802.11 a/c (2x2) WLAN & Bluetooth® 5.0

Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology.<sup>6</sup>

### 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.

### 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 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 40Gbps all from one impressive USB-C™ Thunderbolt™ port. And it's reversible, so you never have to worry about plugging in upside down.<sup>21,22</sup>

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<sup>18</sup> 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.

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

<sup>21</sup> 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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<sup>5</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD

<sup>6</sup> Wireless access point and Internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the laptop to communicate with other 802.11ac WLAN devices. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license.

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## Specifications

### Performance

#### Operating system

FreeDOS 2.0

#### 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)

Processor family: 8th Generation Intel® Core™ i7 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

256 GB PCIe® NVMe™ M.2 SSD

#### Graphics

Discrete: NVIDIA® GeForce® GTX 1050 Ti (4 GB GDDR5 dedicated);

#### Audio

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

#### Display

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

#### Power

150 W AC power adapter;

#### Battery type

8-cell, 82 Wh Li-ion;

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

#### Maximum battery life video playback

Up to 9 hours and 15 minutes<sup>3</sup>

### 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 (Gigabit Wi-Fi® speed)

MU-MIMO supported; Miracast compatible

#### Ports

1 USB 3.1 Type-C™ Gen 1 (Data Transfer up to 5 Gb/s, DP1.2, HP Sleep and Charge); 3 USB 3.1 Gen 1 (1 HP Sleep and Charge); 1 HDMI; 1 RJ-45; 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

Shadow black cover

Carbon fiber cover pattern, sandblasted hairline keyboard frame finish

### Additional information

#### Part Number

P/N: 6BL96EA #BED

UPC/EAN code: 193808305313

#### Weight

3.73 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 4-zone lighting backlit keyboard with numeric keypad and NKRO

Touchpad with multi-touch gesture support

#### 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

## Warranty services\*



3-year return to depot  
U4817E

<sup>3</sup> 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](http://www.bapco.com) for additional details.  
<sup>4</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.  
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<sup>6</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

