



# OMEN by HP 15 Laptop

## 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.



Black



High Performance



Edge-to-Edge Display



Configure settings

### Power designed to propel you forward

With NVIDIA® GeForce® GTX 10 Series graphics, an 8th generation Intel® Core™ processor, 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 optional 4K<sup>1</sup>, or 1080p<sup>1</sup> with 144Hz refresh rate<sup>2</sup>, and NVIDIA® G-SYNC™ on select models<sup>3</sup>. 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> 4K content required to view full 4K images. Full HD (FHD) content required to view FHD images. <sup>2</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>3</sup> See [hp.com](http://hp.com) for available features.

## Features

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### 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.



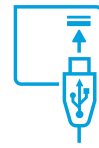
### DTS Headphone: X technology<sup>1</sup>

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 3.1 Gen 1

Power your device, transfer up to 5Gb/s of data<sup>3</sup>, or connect to an external display all from just one USB-C™ port.<sup>4</sup> And it's reversible, so you never have to worry about plugging in upside down.



### Mini DisplayPort<sup>2</sup>

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



### OMEN Stream

Game with the performance and familiarity of your OMEN on any Windows 10 PC, anywhere you have high-speed internet.



### OMEN Command Center

Get the most out of your gaming experience with customizable keyboard backlighting in four zones. Includes task prioritization and Dual Force, which allows you to prioritize gaming and split network traffic across two data streams.

<sup>1</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>2</sup> Transmit up to 4K video and audio.<sup>3</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. <sup>4</sup> USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.



## Technical specifications

<b>Operating System<sup>1</sup></b>	Windows 10 Home
<b>Processor<sup>2</sup></b>	Intel® Core™ i7+ 8750H (2.2 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) Intel® Core™ i5+ 8300H (2.3 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores) Intel® Core™ i7-8750H (2.2 GHz base frequency <sup>11</sup> , up to 4.1 GHz with Intel® Turbo Boost Technology <sup>12</sup> , 9 MB cache, 6 cores) Intel® Core™ i5-8300H (2.3 GHz base frequency <sup>11</sup> , up to 4 GHz with Intel® Turbo Boost Technology <sup>12</sup> , 8 MB cache, 4 cores)
<b>Chipset</b>	Intel® HM370 Chipset
<b>Integrated Graphics</b>	Intel® UHD Graphics 630 NVIDIA® GeForce® GTX 1050 (4 GB GDDR5 dedicated) NVIDIA® GeForce® GTX 1050 (2 GB GDDR5 dedicated) NVIDIA® GeForce® GTX 1050 Ti (4 GB GDDR5 dedicated) NVIDIA® GeForce® GTX 1060 (3 GB GDDR5 dedicated) NVIDIA® GeForce® GTX 1060 (6 GB GDDR5 dedicated) NVIDIA® GeForce® GTX 1070 with Max-Q design (8 GB GDDR5 dedicated)
<b>Display<sup>3</sup></b>	15.6" diagonal FHD IPS anti-glare micro-edge WLED-backlit (1920 x 1080) 15.6" diagonal FHD 144 Hz IPS anti-glare micro-edge WLED-backlit (1920 x 1080), 72% Colour Gamut 15.6" diagonal 4K IPS anti-glare micro-edge WLED-backlit (3840 x 2160), 72% Colour Gamut Optional NVIDIA G-SYNC™ technology (for GTX 1060/1070)
<b>Standard Memory</b>	Up to 32 GB DDR4-2666 SDRAM (2 x 16 GB) DDR4 System Memory with Dual Channel Memory Support – up to 32GB max supported - User accessible/upgradeable
<b>Storage</b>	Up to 512 GB PCIe® NVMe™ M.2 SSD Up to 1 TB 7200 rpm SATA Up to 1 TB 7200 rpm SATA; 16 GB PCIe® NVMe™ Intel® Optane™ Memory for storage acceleration Up to 2 TB 5400 rpm SATA; 256 GB PCIe® NVMe™ M.2 SSD Up to 1 TB 7200 rpm SATA; 512 GB PCIe® NVMe™ M.2 SSD
<b>Networking/Wireless<sup>2,4</sup></b>	Intel® Wireless-AC 9560 802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo Integrated 10/100/1000 GbE LAN
<b>Media Card</b>	1 multi-format SD media card reader
<b>I/O ports<sup>2</sup></b>	<b>GTX 1060/1070:</b> 1 Thunderbolt™ 3 (Data up to 40Gb/s, DP1.2, HP Sleep and Charge) <b>GTX 1050/1050Ti:</b> 1 USB 3.1 Type-C™ (HP Sleep and Charge, Data up to 5Gb/s, Display Port 1.2) 3 USB 3.1 Gen 1 (1 HP Sleep and Charge) 1 Mini DisplayPort™ 1 HDMI v2.0 1 RJ-45 1 Headphone/Microphone Combo 1 Microphone-in
<b>Webcam/MIC</b>	HP Wide Vision HD Camera
<b>Integrated Microphone</b>	Dual array digital microphone
<b>Audio</b>	Bang & Olufsen Dual speakers HP Audio Boost 2.0 DTS Headphone:X support
<b>Security</b>	Kensington Mini Security Slot
<b>Sensor</b>	Accelerometer (for HDD protection)
<b>Keyboard/Touchpad</b>	Full-size 2-zone lighting backlit keyboard with numeric keypad and NKRO Full-size 4-zone lighting backlit keyboard with numeric keypad and NKRO Touchpad with multi-touch gesture support
<b>Power/Battery<sup>5</sup></b>	135W AC power adapter (GTX 1050) 150W AC power adapter (GTX 1050Ti) 200W AC power adapter (GTX 1060/1070) 3-cell, 52.5 Wh Li-ion polymer 4-cell, 70 Wh Li-ion polymer Support battery fast charge - Approximately 50% in 45 minutes <sup>10</sup>
<b>Software<sup>3</sup></b>	<b>Multimedia &amp; Entertainment</b> HP Audio Switch, iQiyi <sup>8</sup> <b>Product Support</b> HP Support Assistant, HP Documentation, Recovery Manager, McAfee LiveSafe (Free 12 months) <sup>9</sup> , HP 3D DriveGuard (HDD only), HP Connection Optimizer, HP JumpStart, HP e-Service <sup>8</sup> <b>Productivity &amp; Lifestyle</b> 1 month trial for new Microsoft® Office 365 customers, Dropbox <sup>7</sup> , HP ePrint, OMEN Command Center
<b>Dimensions (mm)/Weight (kg)</b>	<b>GTX 1050/1050Ti:</b> 360.0 x 263.0 x 25.0 cm/ From 2.24 kg <b>GTX 1060/1070:</b> 360.0 x 263.0 x 26.0 cm/ From 2.4 kg



<sup>1</sup> Not all features are available in all editions or versions of Windows 10. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See [microsoft.com](http://microsoft.com). <sup>2</sup> Some models may not feature all the listed components and vary depending on configuration. <sup>3</sup> High Definition content (e.g. WMV HD files) is required to view high definition images. Most current DVDs do not provide high definition images. <sup>4</sup> Wireless regulatory differs from country to country. <sup>5</sup> 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 [bapco.com](http://bapco.com) for additional details. <sup>6</sup> Available in certain countries. <sup>7</sup> Not Available for China. <sup>8</sup> Only for China. <sup>9</sup> Not available for Australia/New Zealand or #ABG sku <sup>10</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 [store.hp.com](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 [intel.com/technology/turboboost](http://intel.com/technology/turboboost) for more information.

## Recommended Accessories

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### HP OMEN Sequencer Keyboard (2VN99AA)

**Black**

Maneuver at the speed of light and gain a competitive edge with industry-leading optical-mechanical switch technology. Built with your gaming needs in mind, the OMEN Keyboard delivers on next-level responsiveness, customization, and durability. You need the best gear to win—and this tool will never let you down.

### HP OMEN Reactor Mouse (2VP02AA)

**Black**

Score a competitive advantage by achieving record-fast click response times with industry-leading optical-mechanical switches. Engineered with speed at the forefront and customization to match, the OMEN Mouse takes your playing to the next level and keeps it there.



### OMEN X by HP Transceptor Backpack (3KJ69AA)

**Black**

Organize and protect all your gear on-the-go with a stylish backpack crafted specifically for gaming. The spacious interior and adjustable roll-top design comfortably fits up to a 17" diagonal laptop plus favorite accessories—giving you incredible flexibility to go where the action is.



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