



Look as Good as Your Game

Behold the OMEN 15 gaming laptop, a lean, clean, playing machine powerful enough to hang with the big boxes and compact enough to take the game wherever your heart desires. Check out its big brains in its fast AMD processor and NVIDIA® graphics card, stunning display, and near-eternal battery life. Take control of it all and make it your own in the OMEN Gaming Hub.



Contain Yourself

Say hello to your little friend. This streamlined dream machine sports a speedy AMD Ryzen™ 5000 series processor and NVIDIA® GeForce® graphics cooled by OMEN Tempest Cooling. Good gracious, good things do come in small packages.

Find Yourself Getting Lost

This lean, mean, dreamy machine is easy on the eyes with stunning and fast display and even easier on the ears with master-class Audio by Bang & Olufsen. Stay up all night gawking, or playing, with long battery life. Are we getting' smitten yet?

Find the Perfect Settings

The OMEN 15 doesn't just stop at showstopping design and jaw-dropping specs appeal. With OMEN Gaming Hub, you can dial-in every element of your game. Plug and outplay with all the ports you'll ever need. Compared to other gaming laptops, there's no friend in sight.



Featuring

AMD Ryzen™ 5000 H-Series Mobile Processors

Now you can enjoy elite gaming performance on a thin and light notebook with amazing battery life, thanks to the new AMD Ryzen™ 5000 H-Series Mobile Processors. Never compromise on your gaming laptop again. ^[1]

The Ultimate Play

The GeForce RTX™ 3070 is powered by Ampere—NVIDIA's 2nd gen RTX architecture. Built with enhanced RT Cores and Tensor Cores, new streaming multiprocessors, and high-speed G6 memory, it gives you the power you need to rip through the most demanding games. ^[2]

144 Hz FHD anti-glare display

Reduce frustrating lag and image ghosting with a display that combines a 144 Hz refresh rate and a 1080p resolution for smooth, crisp gameplay. ^[3]

Effortlessly connected

Enjoy a smoother wireless experience with Wi-Fi 6 (2x2) and Bluetooth® 5.0 combo, all your connections are solid and up to 3x faster file transfer speeds than Wi-Fi 5. ^[4]

MU-MIMO supported

If you have several MU-MIMO devices in your home, MU-MIMO support works in combination with a MU-MIMO router to maximize network traffic for a smoother online experience.

Specifications

Operating system	FreeDOS
Product color	Mica silver cover and base, mica silver aluminum keyboard frame
Processor family	AMD Ryzen™ 7 processor
Processor	AMD Ryzen™ 7 5800H (up to 4.4 GHz max boost clock, 16 MB L3 cache, 8 cores) ^[6,7]
Chipset	AMD Integrated SoC
Memory	16 GB DDR4-3200 MHz RAM (2 x 8 GB)
Internal Storage	1 TB PCIe® NVMe™ TLC M.2 SSD
Product design	Matte cover and base, anodized keyboard frame
Optical drive	Optical drive not included
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce RTX™ 3070 (8 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, micro-edge, anti-glare, 300 nits, 72% NTSC
Display	15.6" diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, micro-edge, anti-glare, 300 nits, 72% NTSC
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio features	Audio by Bang & Olufsen; DTS:X® Ultra; Dual speakers; HP Audio Boost
Minimum dimensions (W x D x H)	35.79 x 23.97 x 2.29 cm <i>(Dimensions vary by configuration)</i>
Minimum dimensions (W x D x H)	14.09 x 9.44 x 0.91 in
Weight	Starting at 2.46 kg <i>(Weight varies by configuration)</i>
Weight	Starting at 5.43 lb
Keyboard	Full-size, 4-zone RGB backlit, mica silver keyboard and 26-Key Rollover Anti-Ghosting Key technology
Pointing device	HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Input devices	IR Thermal sensor
Webcam	HP Wide Vision 720p HD camera with integrated dual array digital microphones
Ports	1 SuperSpeed USB Type-C® 5Gbps signaling rate (DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 Mini DisplayPort™; 1 HDMI 2.1; 1 RJ-45; 1 AC smart pin; 1 headphone/microphone combo ^[19]
Expansion slots	1 multi-format SD media card reader
Package dimensions (W x D x H)	6.9 x 52 x 30.5 cm
Package weight	3.65 kg
Network interface	Integrated 10/100/1000 GbE LAN
Wireless	Intel® Wi-Fi 6 AX200 (2x2) and Bluetooth® 5 combo (Supporting Gigabit data rate)
Power supply type	200 W Smart AC power adapter
Battery type	6-cell, 70.9 Wh Li-ion polymer
Battery life	Up to 8 hours ^[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes ^[5]
Battery weight	0.59 lb
Battery weight	270 g

Top Recommended Displays, Accessories and Services

Cases	
OMEN Transceptor 17 Duffel Bag	7MT82AA

Covers	
OMEN Transceptor 15 Sleeve	3J044AA
OMEN Transceptor Pouch	3J047AA

Mice	
OMEN by HP Outpost Mousepad	6CM14AA
OMEN by HP Photon Wireless Mouse	6CL96AA
OMEN by HP Mouse Pad 300	1MY15AA
OMEN by HP Reactor Mouse	2VP02AA
OMEN Vector Mouse	8BC53AA
OMEN by HP Mouse Pad 100	1MY14AA

Keyboards	
OMEN by HP Sequencer Keyboard	2VN99AA
OMEN by HP Encoder Keyboard	6YW76AA

Headsets	
OMEN Blast Headset	1A858AA

Headphones	
OMEN Dyad Earbuds	8JE67AA

Messaging Footnotes

[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. AMD's numbering is not a measurement of clock speed.

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[3] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[4] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported. Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where the Wi-Fi 6 (802.11ax) will be disabled and downgraded to 802.11ac by the Intel's DRS solution.

Technical Specifications Footnotes

[3] Windows 10 MobileMark 18 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 <https://bapco.com/products/mobilemark-2018/> for additional details.

[5] 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 products. 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. AMD's numbering is not a measurement of clock speed.

[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

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