



World's first dual-screen gaming laptop

You've never seen a laptop like this. Sleek, powerful, and equipped with two displays for twice the advantage, the future of portable gaming starts here. An industry-first, dual-screen design lets you game at fullscreen while keeping tabs on other applications on a second, keyboard-mounted display. No matter where the game takes you, this beast of a machine is designed to multiply your potential.



Revolutionary dual-screen design

Reap the benefits of a dual-monitor setup from anywhere with an industry-first 6" 1080p touchscreen mounted above the keyboard. This second screen lets you display and interact with other applications like Twitch, Discord, Spotify, OMEN Command Center, and more – without interrupting gameplay.

Max settings. Any setting.

When it comes to raw power and performance, the OMEN X 15 Laptop makes no compromises. With a 9th generation Intel® Core™ processor and NVIDIA® GeForce graphics, feel free to crank up the settings everywhere you go.

Edge-to-edge immersion

Crisp gameplay is crucial if you want to play at your best. With a high resolution and fast refresh rate, on-screen visuals are swift and smooth, while a micro-edge bezel display delivers edge-to-edge immersion.



Featuring

Windows 10

Do great things confidently with the familiar feel of Windows - only better. ^[1]

NVIDIA® GeForce® RTX 2080 graphics

Enjoy new levels of gaming realism, speed, power efficiency, and immersion with real-time ray-tracing technologies for cutting-edge, hyper-realistic graphics.

144Hz FHD anti-glare display

Reduce frustrating lag and image ghosting with a display that combines a 144Hz refresh rate, G-Sync support, and a 1080p resolution for smooth, crisp gameplay. ^[2]

PCIe SSD storage

Available in capacities up to 512 GB, PCIe-based flash storage is up to 17x faster than a traditional 5400-rpm laptop hard drive. ^[3]

HP Wide Vision FHD IR Camera

Easily log in through Windows Hello with the infrared sensor. With an 88-degree, wide-angle field of view, you can video chat with your entire family or group of friends in stunning detail. ^[4]

Specifications

Operating system	Windows 10 Home 64
Product color	Shadow black
Processor family	9th Generation Intel® Core™ i9 processor
Processor	Intel® Core™ i9-9880H (2.3 GHz base frequency, up to 4.8 GHz base with Intel® Turbo Boost Technology, 16 MB cache, 8 cores) ^[6,7]
Chipset	Intel® HM370
Memory	32 GB DDR4-3200 SDRAM (2 x 16 GB)
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Product design	Sandblasted keyboard frame finish
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 630
Display	39.6 cm (15.6") diagonal FHD 144 Hz IPS anti-glare micro-edge WLED-backlit (1920 x 1080)
Display	15.6" diagonal FHD 144 Hz IPS anti-glare micro-edge WLED-backlit (1920 x 1080)
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio features	B&O; dual speakers; HP Audio Boost; Omen Audio Control Support DTS:X® Ultra
Minimum dimensions (W x D x H)	36.21 x 26.17 x 2 cm
Minimum dimensions (W x D x H)	14.26 x 10.3 x 0.78 in
Weight	2.45 kg
Weight	5.18 lb
Keyboard	Full-size island-style shadow black RGB backlit keyboard
Pointing device	Touchpad with multi-touch gesture support and NKRO Anti-Ghosting Key technology; Precision Touchpad Support
Webcam	HP Wide Vision FHD IR Camera with integrated dual array digital microphone
Ports	1 USB 3.1 Gen 2 Type-C™ with Thunderbolt™ 3 (40 Gb/s signaling rate, Power Delivery 3.0, DisplayPort™ 1.4, HP Sleep and Charge); 3 USB 3.1 Gen 1 Type-A (HP Sleep and Charge); 1 RJ-45; 1 headphone/microphone combo; 1 microphone; 1 AC smart pin
Expansion slots	2 M.2 PCIe® x4
Package dimensions (W x D x H)	36.21 x 26.17 x 2 cm
Package weight	5.26 kg
Network interface	Integrated 10/100/1000 GbE LAN
Wireless	Intel® Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo
Power supply type	230 W AC power adapter
Battery type	6-cell, 72 Wh Li-ion polymer
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes ^[5]
Battery weight	10.12 oz
Battery weight	287 g
Special features	NVIDIA G-SYNC™ technology
Software included	McAfee LiveSafe™
Software - Productivity & finance	1 month trial for new Microsoft Office 365 customers
Cloud service	Dropbox ^[1]

Accessories and services

No Recommended Accessories and Services

Messaging Footnotes

[1] Not all features are available in all editions or versions of Windows. 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 <http://www.microsoft.com>.

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

[3] Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD

[4] Features may require software or other 3rd party applications to provide the described functionality.

Technical Specifications Footnotes

[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.

[5] Recharges your battery up to 50% within 30 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. Intel's numbering is not a measurement of higher performance.

[7] 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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