ProductSheet

HyperX OMEN 15 inch Gaming Laptop PC 15-ga0001la (D62W3LA)

Play past ordinary

The HyperX OMEN 15 delivers fast performance that pushes your gaming farther than ever. With NVIDIA® GeForce RTX™ 50 Series GPUs and Intel® Core™ CPUs [2], Unleashed Mode for manual overclocking, and with a single click on OMEN AI, you can maximize your FPS without the hassle.



Performance on your terms
Performance made to keep you playing with NVIDIA® GeForce RTX™ GPUs and the latest Intel® Core™ CPUs [2].

Never slow down
OMEN Tempest Cooling keeps you strong all day with dust-free internals and optimized airflow.

Faster moves for when it matters
React fast in the heat of the game on a bigger screen that pulls you into the action.

Featuring

Windows is fast, powerful, and secure
Windows 11 is fast, powerful, and secure, giving you a dependable foundation to work, create, and stay protected every day. [1]

For every gamer, everywhere
Newly improved performance hybrid architecture will push your gaming experience beyond expectations. Intel® Core processors feature performance hybrid architecture that makes it easy to game, stream, and create at the same time [3]

Game Changer
Powered by NVIDIA Blackwell, GeForce RTX™ 50 Series Laptop GPUs bring game-changing AI capabilities to gamers and creators. [4]

IPS Panel
No matter where you stand, this screen delivers clear, vivid images with 178-degree wide-viewing angles, so everyone can get a great view.

Anti-glare panel
Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.

Specifications

Operating System Software	Windows 11 Home Single Language
Product Color Description (fixed)	Shadow black
Product Design	Polished paint finish
Processor Family	14th Generation Intel® Core™ i7 processor
Processor Name	Intel® Core™ i7-14650HX (up to 5.2 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads) [6,7]
Chipset	Intel® HM770
Standard Memory Description 01	16 GB DDR5-5600 MT/s (1 x 16 GB)
Hard Drive Description (01)	512 GB PCIe® Gen4 NVMe™ M.2 SSD
Graphics Card Segment 01	Integrated
GScardseg 01 Available Card 01	Intel® UHD Graphics
Display Description (metric)	38.9 cm (15.3") diagonal, 2K (1920 x 1200), up to 165 Hz, 6.5 ms response time, IPS, micro-edge, anti-glare, 300 nits, 62.5% sRGB
Display Description	15.3" diagonal, 2K (1920 x 1200), up to 165 Hz, 6.5 ms response time, IPS, micro-edge, anti-glare, 300 nits, 62.5% sRGB
Screen-To-Body Ratio (without speakers)	91%[18]
Audio Features	Dual speakers; HP Audio Boost; HyperX; DTS:X Ultra™
Product Dimensions W x D x H (metric)	Starting at 34.3 x 25.3 x 2.25 cm (front); Starting at 34.3 x 25.3 x 2.36 cm (rear)
Product Dimensions W x D x H (imperial)	Starting at 13.5 x 9.96 x 0.89 in (front); Starting at 13.5 x 9.96 x 0.93 in (rear)
Weight (metric)	Starting at 2.21 kg
Weight (imperial)	Starting at 4.89 lb
Package Dimensions W x D x H (metric)	6.3 x 56.7 x 33 cm
Package Dimensions W x D x H (imperial)	2.48 x 22.32 x 12.99 in
Package Weight (metric)	3.77 kg
Package Weight (imperial)	8.33 lb
Keyboard	Full-size, 4-zone RGB backlit, shadow black keyboard with numeric keypad and 26-Key Rollover Anti-Ghosting Key technology
Pointing Device	HP Imagepad
Camera	1080p FHD camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones
External I/O Ports	2 USB Type-A 10Gbps signaling rate; 1 AC smart pin; 1 HDMI-out 2.1; 1 headphone/microphone combo; 1 RJ-45; 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 1.4, HP Sleep and Charge)[19,42]
Expansion Slots	2 M.2 (SSD)
Network Interface	Integrated 10/100/1000 GbE LAN
Wireless Technologies	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.4 wireless card[12,46]
Power Supply Type	280 W AC power adapter
Battery Type	4-cell, 70 Wh Li-ion polymer *([23])*
Battery Recharge Time	Supports battery fast charge: approximately 50% in 30 minutes[5]
Sustainability Specifications	Keyboard keycaps, scissors and keyboard plate contain post-consumer recycled plastic
Security Management	Trusted Platform Module (Firmware TPM) support
Software Included	McAfee Online Protection 30-day trial
Software - Productivity & Finance	1 month trial for new Microsoft 365 customers[24,50]
Cloud Service	100 GB Dropbox storage for 3 months[1]
UPC Number	821844007877

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

[1] Based on speedometer benchmark. Performance will vary significantly by device. See aka.ms/w11claims

[2] 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, branding and/or naming is not a measurement of higher performance. 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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[4] ©2025 NVIDIA Corporation. NVIDIA, the NVIDIA logo, GeForce, and GeForce RTX are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks and copyrights are the property of their respective owners.

Technical Specifications Footnotes

[1] 100 GB of free Dropbox storage for 3 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at https://www.dropbox.com/help/space/hp-promotion. 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, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see http://store.hp.com). 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.

[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, branding and/or naming 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.

[12] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs.Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels. Wi-Fi 6 (802.11ax) is not supported in Belarus where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

[18] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

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

[24] Must activate within 180 days of Windows activation.

[42] For optimal performance and battery chargeability while gaming and rendering, use the power adapter that ships with the PC. You can use the 100W/20V Type-C adapter or power bank when running light loading tasks. System-off charging is only supported on 20V Type-C adapter or power bank.

[46] Bluetooth® 5.4 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.4 will function as Bluetooth® 5.3 or lower.

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