



Your new era of gaming

Step into your gaming era with the OMEN 16L. Powered by an Intel® Processor^[1] and high-performance graphics, it delivers elevated performance in a compact form. Great for unwinding after a busy day or gaming during your downtime.

Get set for gaming greatness

Enjoy smoother gameplay and enhanced cooling with CPU fans, boosting airflow and featuring customizable lighting.

Compact size, big plays

Refresh your space with a stylish, compact design that's perfect for relaxing and gaming.

Customize your gaming experience

Personalize setup with customizable RGB lighting and personalized setting recommendations for your game in OGH.

Featuring

Get a fresh perspective

From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way. ^[6]

Take on any game and tasks with performance built for anything powered by Intel® Core™ Ultra Processors.

Improved performance for both gaming and productivity with enhanced cooling, quieter operation, and faster speeds with Intel® Core™ Ultra Processors. ^[7]

1TB PCIe® Gen4 NVMe™ M.2 SSD

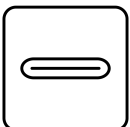
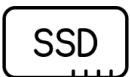
With high-speed data transfer, the 1 TB PCIe Gen4 NVMe M.2 SSD offers lightning fast speed and efficient storage. ^[8]

DTS: X® Ultra Technology

By producing authentic, spatially accurate 3D sound through any headset, this technology offers specially tuned audio modes for different game types to provide immersion for the best entertainment experience possible. ^[9]

USB Type-C® 10Gbps signaling data rate

Plug in your external storage with this USB Type-C® port, featuring 10Gbps signaling data rate. And it's reversible, so you never have to worry about plugging in upside down. ^[10]



Specifications

Operating system	Windows 11 Home
Product color	Snow white metal
Processor family	Intel® Core™ Ultra 7 processor
Processor	Intel® Core™ Ultra 7 265F (up to 5.3 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads) [6,7]
Chipset	Intel® B860
Memory	32 GB DDR5-5600 MT/s (2 x 16 GB)
Memory Slots	2 DIMM
Internal Storage	1 TB PCIe® Gen4 NVMe™ M.2 SSD
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce RTX™ 5060 Ti (16 GB GDDR7 dedicated)
Audio	Omen Audio Control Support DTS:X Ultra
Dimensions (W x D x H)	15.5 x 33.7 x 30.8 cm
Dimensions (W x D x H)	6.10 x 13.26 x 12.12 in
Weight	5.82 kg
Weight	12.83 lb
Keyboard	HP 125 USB White Wired Keyboard
Pointing device	HP 125 USB White Wired Mouse
Video connectors	3 DisplayPort™ 2.1b; 1 HDMI 2.1b
Ports	1 USB Type-C® 10Gbps signaling rate; 1 USB Type-C® 5Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 1 headphone/microphone combo
Expansion slots	3 M.2 (2 for SSD, 1 for WLAN)
Ports	4 USB 2.0 Type-A; 1 RJ-45; 3 3.5 mm audio jack combo
Package dimensions (W x D x H)	40 x 49.9 x 28.7 cm
Package weight	9.81 kg
Network interface	Realtek RTL8125BGH-CG 10/100/1000/2500M GbE Ethernet Controller
Wireless	Realtek Wi-Fi 6 RTL8852BE-VT 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.4 wireless card ^[11,12,13,46]
Power supply type	500 W 80 Plus Platinum certified power supply
Sustainable impact specifications	55% post-consumer recycled plastic; 20% recycled metal
Security management	Kensington Security lock slot; Padlock
Software included	McAfee Online Protection 30-day trial
Software - Productivity & finance	1 month trial for new Microsoft 365 customers ^[24,49,50]
Cloud service	25 GB Dropbox storage for 12 months ^[1]
UPC number	199642429345

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

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. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[6] 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

[7] Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.

[8] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of system disk is reserved for system recovery software.

[9] 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.

[10] Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

Technical Specifications Footnotes

[1] 25 GB of free Dropbox storage for 12 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.

[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.

[11] 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.

[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.

[13] Wi-Fi 6 (802.11ax) is not supported in Belarus where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

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

[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.

[49] Some Windows 11 features require camera, microphone, speakers and/or advanced hardware. Check www.microsoft.com/windows and/or www.hp.com for details.

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