



Your new era of gaming

Step into the world of gaming with the OMEN 16L. Powered by an AMD Ryzen™ Processor^{[1][2]} 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.^[7]

Everything You Need to Game, Work, and Create

AMD Ryzen 8000G Series processors; high-performance processing power, intense graphics capabilities, and the first neural processing unit (NPU) on an AMD desktop PC processor.^[1]

Game Changer

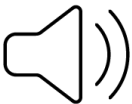
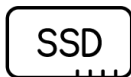
Powered by NVIDIA Blackwell, GeForce RTX™ 50 Series GPUs bring game-changing AI capabilities to gamers and creators. Multiply performance with NVIDIA DLSS 4, generate images at unprecedented speed, and unleash your creativity with NVIDIA Studio.^[8]

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.^[9]

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.^[10]



Specifications

Form factor	Customized
Operating system	Windows 11 Home
Product color	Black metal
Processor family	AMD Ryzen™ 7 processor
Processor	AMD Ryzen™ 7 8700F (up to 5.0 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) ^[6,7]
Chipset	AMD B650
Memory	16 GB DDR5-5200 MT/s (2 x 8 GB)
Memory Slots	2 DIMM
Internal Storage	1 TB PCIe® Gen4 NVMe™ M.2 SSD
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce RTX™ 5060 (8 GB GDDR7 dedicated)
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
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	5.61 kg
Weight	12.36 lb
Video connectors	3 DisplayPort™ 2.1a; 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 ^[19]
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	8.81 kg
Network interface	Realtek RTL8125BGH-CG 10/100/1000/2500 GbE NIC
Wireless	MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card ^[11,12,46]
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]
Cloud service	25 GB Dropbox storage for 12 months ^[1]
UPC number	199642742840

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

[2] Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, and other factors.

[7] 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>.

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[9] 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.

[10] 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.

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. 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.

[11] Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately.

[12] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where 6GHz is supported.

[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.

[46] Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower.

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