ProductSheet
OMEN 16L Gaming Desktop PC TG03-0048a PC (D0NM3PA)

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]

Game without compromise. Go beyond performance with Intel Core and Intel Core Ultra Processors
Be everything you want to be, in-game and out with optimized performance and new features. Play harder and work smarter with Intel Core Processors. [7]

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]

Windows 11

NVIDIA GEFORCE

SSD

Specifications

Operating system	Windows 11 Home
Processor family	Intel® Core™ i5 14th generation processor
Processor	Intel® Core™ i5-14400F (up to 4.7 GHz with Intel® Turbo Boost Technology, 20 MB L3 cache, 10 cores, 16 threads) [6,7]
Chipset	Intel® H770
Memory	16 GB DDR5-4800 MT/s (2 x 8 GB)
Memory Slots	2 DIMM
Internal Storage	1 TB PCIe® Gen4 NVMe™ M.2 SSD
Graphics	Integrated
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	5.57 kg
Weight	12.27 lb
Package dimensions (W x D x H)	40 x 49.9 x 28.7 cm
Package dimensions (W x D x H)	15.74 x 19.64 x 11.29 in
Package weight	8.72 kg
Package weight	19.22 lb
Video connectors	1 HDMI 2.1b;3 DisplayPort™ 2.1b
Ports	1 USB Type-C® 10Gbps signaling rate; 3 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; 1 line out
Network interface	Integrated 10/100/1000 GbE LAN
Wireless	Realtek Wi-Fi 6E RTL8852CE (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	100 GB Dropbox storage for 3 months[1]
UPC number	199764941428

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

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] ©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.

[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] 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.

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[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 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.

[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.