OMEN 16L Gaming Desktop PC TG03-0154

Enter your new era of gaming

Unwind with the OMEN 16L. With an Intel® processor and high-performance graphics card, it delivers elevated performance in a compact size. Customize your PC with RGB effects through OMEN Light Studio and get personalized settings recommendations with OMEN AI. The 16L is the perfect companion for your next adventure.

Product overview

- **Get set for gaming greatness:** Achieve performance with an Intel® processor and high-performance graphics card. Enjoy fluid gameplay with minimal stutter, faster speeds, and efficient cooling to support your PC's overall airflow.
- **Compact size, Big plays:** From small spaces to massive quests, the OMEN 16L's compact design fits effortlessly into any room. Its sleek look keeps your setup tidy and minimal, creating the perfect atmosphere to relax and dive into your favorite games.
- **Personalize your way:** Light up your setup with customizable RGB effects using OMEN Light Studio through OGH. Choose from different RGB styles that reflect your personality.
- **We're In This Together:** Innovating with purpose and intention to go beyond short-term impact to drive positive, lasting change.

Key specifications

- **Operating system: Windows 11 Home**[1]
- **Processor:** Intel® Core™ i5-14400F processor[2b]
- **Memory:** XPG LANCER 16 GB DDR5-5600 MT/s RGB Heatsink RAM memory (1 x 16 GB)
- **Internal Storage:** 1 TB PCIe® Gen4 NVMe™ M.2 Solid State Drive[15]
- **Graphics:** NVIDIA® GeForce RTX™ 5060 Ti graphics card with 8 GB GDDR7 dedicated memory[13]
- **Mouse and keyboard:** HP USB white wired keyboard and mouse combo
- **USB ports:** Front I/O: 3 USB Type-A 5Gbps signaling rate, 1 USB Type-A 10Gbps signaling rate Rear: 4 USB 2.0 Type-A
- **Wireless:** Wi-Fi 6 (2x2) and Bluetooth® 5.4 wireless card[19e][25a][26]
- **Warranty:** 1-year limited hardware warranty

Product features

- **Get a fresh perspective with Windows 11:** 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.[1]
- **Microsoft Copilot:** Kickstart your creativity and productivity with Microsoft Copilot. Complements your capabilities and creativity with intelligent assistance and relevant answers. And now with the Copilot key, you can access this AI-powered intelligent assistant with a single press of a button.[41]
- **The ultimate immersive experience for gaming and creating.** Intel®'s performance hybrid architecture to optimize your gaming, content creation, and productivity. Play harder and work smarter with an Intel® Core™ processor.
- **Game Changer:** Powered by NVIDIA® Blackwell, GeForce RTX™ 5060 Ti GPU brings game-changing AI capabilities to gamers and creators.
- **PCIe® Gen4 NVMe™ M.2 SSD:** With high-speed data transfer, the PCIe® Gen4 NVMe M.2 SSD offers fast speed and efficient storage.
- **DTS: X® Ultra technology:** By producing authentic, spatially accurate 3D sound, this technology gives games, movies, and music a level of depth and immersion for the best entertainment experience possible.
- **1 input for your microphone and headphone:** One jack to plug in your headphone and microphone.
- **USB Type-A 5Gbps signaling data rate:** Plug in your external storage with this USB Type-A port, featuring 5Gbps signaling data rate.[43]

Additional product features

- **USB Type-A 10Gbps signaling data rate:** Plug in your external storage with this USB Type-A port, featuring 10Gbps signaling data rate.[43]
- **DDR5 RAM:** With fast DDR5 RAM, everything from multitasking to playing games gets a performance boost.
- **Effortlessly connected:** Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 6 and Bluetooth® 5.4 wireless card.[19e][25a][26]
- **OMEN Gaming Hub:** From software enhancements to hardware control, and live services, OGH elevates play in easy and simple way.
- **OMEN Light Studio:** Control RGB lighting effects for all your connected and supported devices through one app. OMEN Light Studio makes it easy to personalize lighting options using a variety of effects like ambient, wave, interactive and more.
- **OMEN AI:** OMEN AI gets you the best possible FPS for your (supported) games with personalized settings recommendations. No troubleshooting or guesswork needed, just the click of a button.[70]
- **Try PC Game Pass for free:** Play hundreds of high-quality PC games on your new HP device with 3 free months of PC Game Pass – including EA play. With new games being added all the time, there's always something new to play.[60]

Created with the planet in mind

HP is dedicated to driving progress toward a more sustainable future and making responsible choices for the environment and our customers. We are innovating new ways to reduce the amount of materials in our products and packaging—and to use more recycled materials in their design. Together we can make a difference.

The OMEN 16L Gaming Desktop PC is built with the future in mind, using environmentally conscious and recycled materials.
- Up to 20% recycled metal
- Up to 55% post-consumer recycled plastic

Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

Included with your product:
- **HP's Hardware Limited Warranty:** Full warranty details are included with your product.
- **Technical Support for Software & initial set-up:** Warranty details are included with your product.
Support Options:
- **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.[56]
- **Online Support:** For technical support with this product, visit HP Customer Support http://support.hp.com.[10]
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at community.hp.com, on Twitter at twitter.com/HPSupport, and Facebook at facebook.com/HPSupport.[10]

Specifications

Operating system	• Windows 11 Home[1]
Processor	• Intel® Core™ i5-14400F processor[2b] • 10-core
Cooling	• 1 x 120 mm RGB front fan • 1 x 90 mm rear fan • 92 mm 2-heatpipe RGB air cooler
Processor speed	• Up to 4.7 GHz with Intel® Turbo Boost Technology[2g]
Cache	• 20 MB Cache
Memory	• XPG LANCER 16 GB DDR5-5600 MT/s RGB Heatsink RAM memory (1 x 16 GB) (32 GB unbuffered with 16 GB DIMMs)[3a][3k]
Internal storage	• 1 TB PCIe® Gen4 NVMe™ M.2 Solid State Drive[15]
Finish	• HP finish in Panda Metal
Video graphics	• NVIDIA® GeForce RTX™ 5060 Ti graphics card with 8 GB GDDR7 dedicated memory[13]
Network interface	• Integrated 10/100/1000 GbE LAN[29]
Wireless connectivity	• Wi-Fi 6 (2x2) and Bluetooth® 5.4 wireless card[19e][25a][26]
Memory slots	• 2 DIMM (288-pin) (one available)
Expansion slots	• 1 PCI-E Gen 4 x16 (occupied) • 1 PCI-E Gen 3 x1 (available) • 3 M.2 (2 for SSD, 1 for WLAN) (one available)
Expansion bays	• No expansion
External ports	• Headphone/Microphone Combo • Front I/O: 3 USB Type-A 5Gbps signaling rate, 1 USB Type-A 10Gbps signaling rate • Rear: 4 USB 2.0 Type-A, 1 RJ-45 • HDMI • 3 DisplayPort™[50]
Multi-display capable	• DisplayPort and HDMI capabilities, NVIDIA® Surround™ multi-display technology, support for Microsoft® DirectX® 12[13]
Mouse and keyboard	• HP USB white wired keyboard and mouse combo
Security	• Kensington Security lock slot[28] • Padlock
Power supply	• 500 W 80 Plus Platinum certified power supply
Dimensions	• **Unpackaged:** 6.10 in (W) x 13.26 in (D) x 12.12 in (H) approx. • **Packaged:** 15.75 in (W) x 19.65 in (D) x 11.30 in (H) approx.
Weight	• **Unpackaged:** 12.76 lb approx.[76] • **Packaged:** 21.63 lb approx.
Warranty and support	• 1-year limited hardware warranty. Additional information available at www.support.hp.com • 1-year limited technical support for software and initial setup (from date of purchase)[53]

Software and technology

Help and support	• **HP Support Assistant**: Help with your HP PC and printers whenever you need it.[56] • **myHP:** Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and information to keep things running smoothly.
Security and protection	• **HP BIOS Protection:** Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself.[23]
Partner offers	• **Dropbox cloud storage:** Store and synchronize your content online with Dropbox. Get 100GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access.[10][22] • **McAfee 30-day trial:** Secure your privacy and data when browsing on public Wi-Fi with VPN, included in your free McAfee 30-day trial.[8][10] • **Adobe Offer:** Get a complimentary 1 month trial of the best creativity and productivity apps from Adobe with the purchase of a computer from HP. Create anything you can imagine – photos, videos, graphics, webpages, PDFs, and more. Get started with the app that best fits your need.[88a] • **Try PC Game Pass for free:** Play hundreds of high-quality PC games on your new HP device with 3 free months of PC Game Pass.[60]
System performance	• **HP Connection Optimizer:** Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.[10]
Work and lifestyle	• **Otter.ai:** With Otter.ai, an AI assistant can record audio, write notes, automatically capture slides, record, transcribe, and generate meeting summaries so that you can save time and stay organized. • **Microsoft Copilot:** Microsoft Copilot gives you intelligent answers. Access with just the touch of the Copilot key.[41]
Gaming and entertainment	• **OMEN Gaming Hub:** Your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OMEN Gaming Hub elevates play in an easy and simple way. • **DTS: X® Ultra technology:** Authentic, spatially accurate 3D sound to provide the best entertainment experience. • **OMEN Light Studio:** Personalize lighting options using a variety of effects like ambient, wave, interactive and more through one app. • **OMEN AI:** Provides personalized settings recommendations to achieve the best possible FPS with minimum hassle.

Additional information

Product number	• BC4K6AA#ABA
UPC code	• 198990857084
Country of origin	• Mexico
Pallet information	• **Dimensions:** 47.24 in (L/D) x 39.37 in (W) x 84.21 in (H) approx. • **Total weight:** 939.44 lb approx. • **Layers:** 7 • **Products per layer:** 6 • **Total products per pallet:** 42

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