



[Manuals.plus](#) /

> [HP](#) /

> HP OMEN 16L Gaming Desktop PC User Manual - Model TG03-0120

HP TG03-0120

HP OMEN 16L Gaming Desktop PC User Manual

Model: TG03-0120

Brand: HP

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your HP OMEN 16L Gaming Desktop PC. Please read this manual thoroughly before using your new desktop to ensure proper functionality and longevity. The OMEN 16L Gaming Desktop PC features an Intel Core Ultra 5 225F processor, 16 GB DDR5 RAM, a 1 TB PCIe Gen4 NVMe M.2 SSD, and NVIDIA GeForce RTX 5060 graphics. It comes pre-installed with Windows 11 Home and includes Microsoft Copilot for enhanced productivity.

2. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- OMEN 16L Gaming Desktop TG03-0120 PC
- HP USB white wired keyboard
- HP USB white wired mouse
- 500 W 80 Plus Platinum certified power supply
- Setup instructions
- 3 months of PC Game Pass (digital entitlement)

WHAT'S IN THE BOX



Image: The OMEN 16L Gaming Desktop PC, along with the included HP USB white wired keyboard and mouse, and a list of package contents.

3. SETUP INSTRUCTIONS

- 1. Unpack the Desktop:** Carefully remove the OMEN 16L Gaming Desktop PC and all accessories from the packaging.
- 2. Connect Peripherals:**
 - Connect the HP USB white wired keyboard to an available USB port.
 - Connect the HP USB white wired mouse to an available USB port.
 - Connect your monitor(s) to the appropriate video output ports (HDMI or DisplayPort) on the graphics card.
- 3. Connect Power:** Connect the 500 W power supply to the desktop and then plug the power cable into a wall outlet.
- 4. Power On:** Press the power button on the front of the desktop.
- 5. Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Home setup, including network connection, user account creation, and system preferences.

PORTS

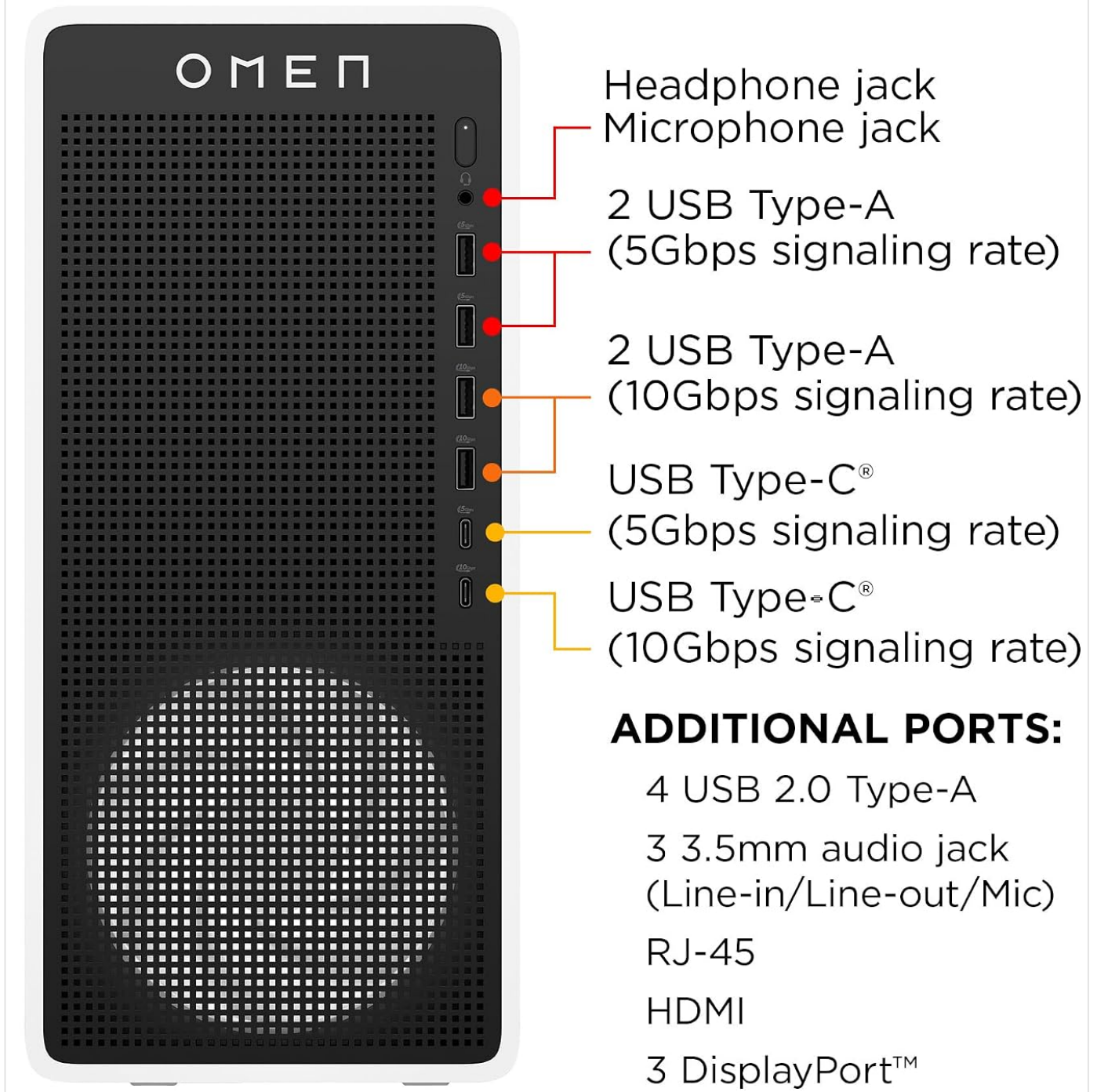


Image: Front panel ports of the OMEN 16L Desktop, including headphone, microphone, and USB ports.

4. OPERATING INSTRUCTIONS

4.1. Windows 11 Home and Microsoft Copilot

Your desktop comes with Windows 11 Home, offering a modern interface and enhanced features. Microsoft Copilot is integrated to assist with tasks, creativity, and communication. Access Copilot via the dedicated key on your keyboard or through the Windows taskbar.

MICROSOFT COPILOT KEY

Copilot gives you intelligent answers.
Get AI assistance with the Copilot key.

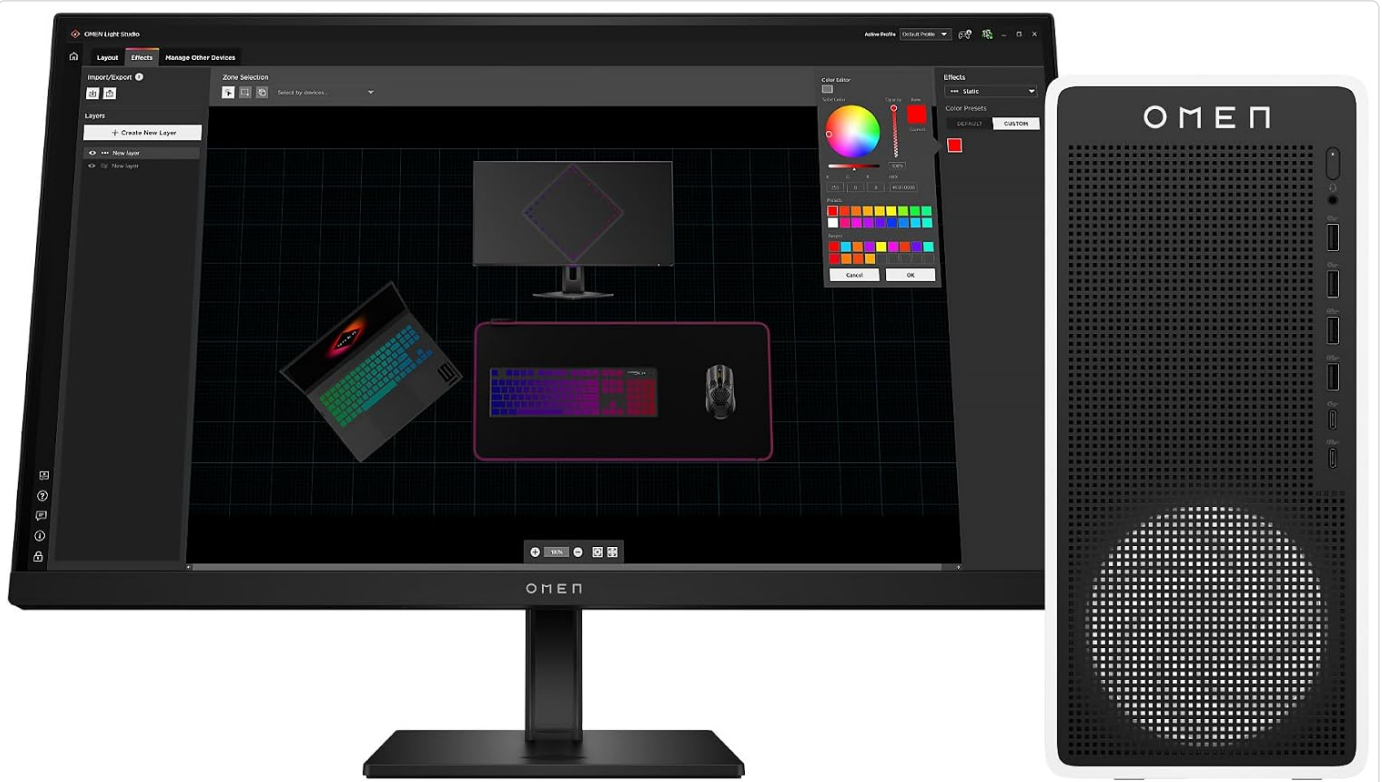


Monitor sold separately.

Image: The OMEN 16L Desktop setup showing the Microsoft Copilot feature on the display and the dedicated Copilot key on the keyboard.

4.2. OMEN Light Studio

Personalize the RGB lighting effects of your desktop and connected OMEN devices using OMEN Light Studio. This application allows you to choose from various effects like ambient, wave, and interactive lighting to match your preferences.



PERSONALIZE YOUR WAY

Customize your PC with RGB effects through OMEN Light Studio and get personalized settings recommendations with OMEN AI.

Monitor sold separately.

Image: The OMEN 16L Desktop with a monitor displaying the OMEN Light Studio software for RGB customization.

4.3. OMEN AI and OMEN Gaming Hub

OMEN AI provides personalized settings recommendations to optimize FPS for supported games, eliminating the need for manual adjustments. The OMEN Gaming Hub is a central application for software enhancements, hardware control, and access to live services, designed to enhance your gaming experience.



YOUR ONE PLACE FOR EVERYTHING

From software enhancements to hardware control and live services, OMEN Gaming Hub elevates play in an easy and simple way.

Monitor sold separately.

Image: The OMEN 16L Desktop with a monitor displaying the OMEN Gaming Hub software.

4.4. DTS X Ultra Technology

This technology provides authentic, spatially accurate 3D sound, enhancing the depth and immersion for games, movies, and music.

5. SPECIFICATIONS

Feature	Detail
Brand	HP
Model Name	OMEN 16L Gaming Desktop TG03-0120 PC
Operating System	Windows 11 Home
Processor	Intel Core Ultra 5 225F (up to 4.9 GHz)

Feature	Detail
Graphics Card	NVIDIA GeForce RTX 5060 (8 GB GDDR7 dedicated)
RAM	16 GB DDR5 (5600 MT/s, 2 x 8 GB)
Storage	1 TB PCIe Gen4 NVMe M.2 SSD
Connectivity	Wi-Fi 6E (2x2), Bluetooth 5.3, Realtek RTL8125BGH-CG 10/100/1000/2500M GbE Ethernet
Ports (Front)	1 USB Type-C 10Gbps, 1 USB Type-C 5Gbps, 2 USB Type-A 10Gbps, 2 USB Type-A 5Gbps, 1 Headphone/Microphone combo
Video Output	1 HDMI 2.1b, 3 DisplayPort 2.1b
Audio	5.1 surround sound; Omen Audio Control Support DTS:X Ultra
Dimensions (W x D x H)	6.1 x 13.26 x 12.12 inches
Weight	12.83 Pounds
Power Supply	500 W 80 Plus Platinum certified
Color	Panda Metal (Snow White metal chassis, white metal bezel, black accents)

6. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the desktop with a soft, dry cloth. Use compressed air to clear dust from vents and fans to ensure optimal airflow and prevent overheating.
- **Software Updates:** Keep your Windows operating system, drivers (especially graphics drivers), and OMEN software updated to the latest versions for performance and security.
- **System Backups:** Periodically back up important data to an external drive or cloud storage to prevent data loss.

7. TROUBLESHOOTING

- **No Power:** Ensure the power cable is securely connected to both the desktop and a working wall outlet. Check the power supply switch if available.
- **No Display:** Verify that your monitor is powered on and correctly connected to the graphics card's video output port. Try a different cable or port if available.
- **System Slowdown:** Check for background applications consuming resources. Ensure sufficient free space on your SSD. Run system diagnostics or antivirus scans.
- **Peripheral Issues:** If the keyboard or mouse is not responding, try connecting them to different USB ports. Ensure drivers are up to date.

8. WARRANTY AND SUPPORT

The HP OMEN 16L Gaming Desktop PC comes with a **1-year limited hardware warranty** and **1-year limited technical support** for software and initial setup. For warranty claims or technical assistance, please refer to the contact information provided in your product's documentation or visit the official HP support website.

9. PRODUCT VIDEOS

Gaming Ready with HP OMEN 16L

Your browser does not support the video tag.

Video: An overview demonstrating the HP OMEN 16L Gaming Desktop PC's capabilities and features, highlighting its readiness for gaming.

© 2025 HP Inc. All rights reserved. Information in this document is subject to change without notice.