

## HP TPN-C159

# HP Envy 16 Laptop User Manual

Model: TPN-C159

## INTRODUCTION

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This manual provides essential information for setting up, operating, maintaining, and troubleshooting your HP Envy 16 Laptop. Designed for optimal performance and creativity, this laptop features a 16-inch WQXGA 120Hz touchscreen, an Intel Core i7-13700H processor, NVIDIA GeForce RTX 4060 graphics, 64GB DDR5 RAM, and a 4TB PCIe M.2 SSD, running on Windows 11 Home.



Figure 1: Front view of the HP Envy 16 Laptop, showcasing its display and key features.

## GETTING STARTED: SETUP

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### 1. Unboxing and Initial Inspection

Carefully remove your HP Envy 16 Laptop and its accessories from the packaging. Verify that all components are present, including the laptop, power adapter, and any documentation.

### 2. Connecting Power

1. Connect the power adapter to the AC smart pin port on the side of the laptop.
2. Plug the power adapter into a wall outlet.
3. Allow the battery to charge for a few minutes before initial use.

### 3. First Boot and Windows Setup

Press the power button to turn on the laptop. Follow the on-screen instructions to complete the Windows 11 Home setup process, which includes selecting your region, language, and setting up your user account.

### 4. Connecting Peripherals

You can connect various peripherals to your laptop using the available ports:

- **USB Devices:** Use the USB Type-A ports (10Gbps signaling rate) for external drives, mice, or keyboards.

- **External Displays:** Connect an external monitor via the HDMI 2.1 port or one of the Thunderbolt 4 with USB4 Type-C ports (DisplayPort 1.4 support).
- **Headphones/Microphone:** Use the headphone/microphone combo jack for audio input and output.

## 5. Network Connection

Your HP Envy 16 Laptop supports Wi-Fi 6 for high-speed wireless internet access. During the Windows setup, you will be prompted to connect to a Wi-Fi network. Alternatively, you can configure network settings later via the Windows settings menu.

# OPERATING YOUR HP ENVY 16 LAPTOP

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## 1. Power Management

- **Power On:** Press the power button located on the keyboard deck.
- **Sleep Mode:** Close the lid or select 'Sleep' from the Start menu.
- **Shut Down:** Select 'Shut down' from the Start menu.
- **Restart:** Select 'Restart' from the Start menu.

## 2. Display Features

The HP Envy 16 features a 16-inch WQXGA (2560x1600) Touchscreen with a 120Hz refresh rate, providing a vibrant and smooth visual experience.

# Everything displayed perfectly



Figure 2: The 16-inch WQXGA display offers high resolution and a 120Hz refresh rate.

- **Touchscreen:** Interact directly with the display using touch gestures.
- **Resolution:** The 2560x1600 resolution provides sharp images and ample screen real estate.
- **Refresh Rate:** The 120Hz refresh rate ensures smooth motion, beneficial for creative work and general usage.

### 3. Keyboard and Touchpad

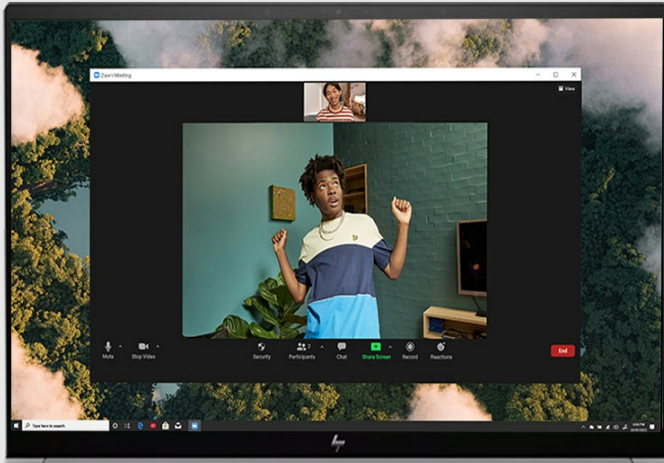
The laptop includes a full-size keyboard and a precision touchpad for navigation and input. The keyboard may feature a numeric keypad and backlighting for enhanced usability.

### 4. Audio System

Equipped with HP Quad Speakers tuned by Bang & Olufsen, the laptop delivers high-quality audio for multimedia consumption and communication.

### 5. Camera

The integrated 5MP HP True Vision camera includes a privacy shutter, allowing you to physically block the camera lens when not in use for enhanced security.



# HP True Vision camera

The high-quality camera lets you video chat with the entire family in stunning detail

Figure 3: The HP True Vision camera provides clear video for communication, with a privacy shutter for security.

## 6. Ports and Connectors

Your HP Envy 16 Laptop offers a variety of ports for connectivity:

# Ports & Solts

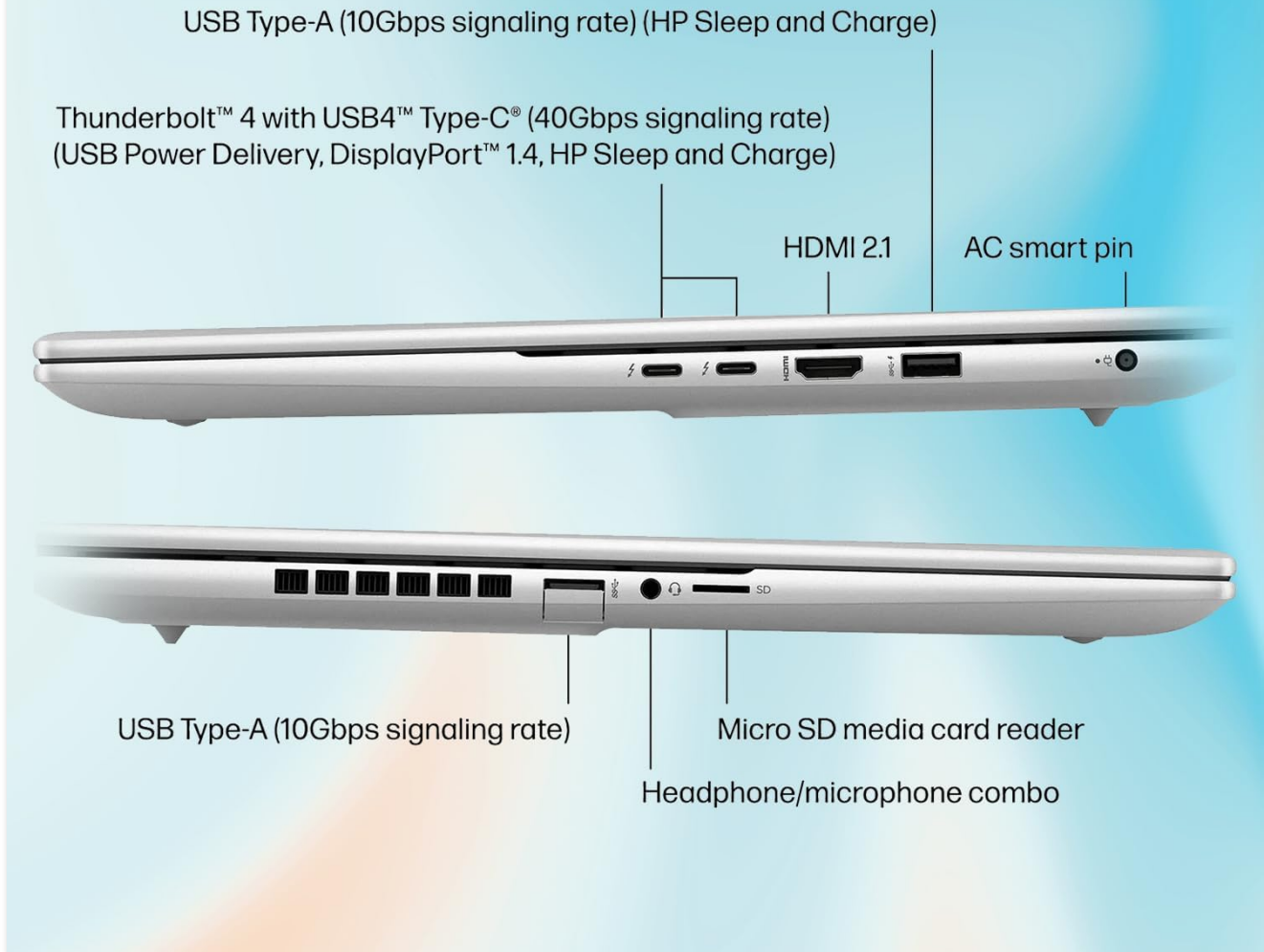


Figure 4: Overview of the laptop's ports and connectors.

- **2 x Thunderbolt 4 with USB4 Type-C (40Gbps signaling rate):** Supports USB Power Delivery, DisplayPort 1.4, and HP Sleep and Charge.
- **2 x USB Type-A (10Gbps signaling rate):** Supports HP Sleep and Charge.
- **1 x AC smart pin:** For connecting the power adapter.
- **1 x HDMI 2.1:** For connecting external displays.
- **1 x Headphone/microphone combo:** For audio input and output.
- **1 x Micro SD media card reader:** For accessing data from Micro SD cards.

## 7. Storage and Memory

The laptop is equipped with 64GB DDR5 RAM for efficient multitasking and a 4TB PCIe NVMe M.2 Solid State Drive for fast boot times and ample storage capacity.

## 8. Graphics

The NVIDIA GeForce RTX 4060 graphics card provides dedicated processing power for demanding applications, gaming, and creative tasks.

Figure 5: The NVIDIA GeForce RTX 4060 enhances graphical performance.

## 9. Operating System

The HP Envy 16 Laptop comes pre-installed with Windows 11 Home, offering a modern interface, improved performance features, and compatibility with Android Apps.

## MAINTENANCE AND CARE

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### 1. Cleaning Guidelines

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Avoid harsh chemicals.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly damp cloth with mild soap solution can be used, ensuring no liquid enters openings.
- **Vents:** Periodically use compressed air to clear dust from the cooling vents to maintain optimal airflow.

### 2. Battery Optimization

- Avoid extreme temperatures.
- Do not fully discharge the battery frequently.
- Adjust power settings in Windows to optimize battery life.

### 3. Software Updates and Security

- Regularly check for and install Windows updates to ensure system stability and security.
- Keep your antivirus software up-to-date.

### 4. Storage Management Tips

- Periodically delete unnecessary files to free up disk space.
- Utilize cloud storage or external drives for large files to keep your primary SSD optimized.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your HP Envy 16 Laptop.

### 1. Common Issues and Solutions

- **Laptop does not power on:**
  - Ensure the power adapter is securely connected to both the laptop and a working power outlet.
  - Try a different power outlet.
  - If the battery is completely drained, allow it to charge for at least 30 minutes before attempting to power on.
- **Display issues (no image, flickering):**
  - Check if the laptop is connected to an external monitor. Disconnect it to see if the internal display works.
  - Adjust screen brightness using the function keys.
  - Restart the laptop.
- **Wi-Fi connectivity problems:**
  - Ensure Wi-Fi is enabled in Windows settings.
  - Restart your router and modem.
  - Forget the network and reconnect.

- Update Wi-Fi drivers.
- **Slow performance:**
  - Close unnecessary applications running in the background.
  - Check Task Manager for processes consuming high CPU or RAM.
  - Ensure Windows and drivers are up-to-date.
  - Run a disk cleanup.

## 2. Restoring System

Windows 11 Home offers options to reset or restore your PC. You can access these options via **Settings > System > Recovery**. Be aware that resetting your PC may remove installed applications and personal files, depending on the option chosen.

## 3. Contacting Support

If you encounter issues that cannot be resolved using this guide, please refer to the official HP support website or contact HP customer service for further assistance. Have your product model (TPN-C159) and serial number ready.

## TECHNICAL SPECIFICATIONS

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| Feature               | Specification   |
|-----------------------|---|
| Brand                 | HP  |
| Model Name            | TPN-C159  |
| Operating System      | Windows 11 Home   |
| Processor             | Intel Core i7-13700H (14 Cores, 20 Threads, up to 5.0GHz)   |
| Graphics Coprocessor  | NVIDIA GeForce RTX 4060   |
| RAM                   | 64 GB DDR5 (4800 MHz)   |
| Hard Drive            | 4 TB PCIe NVMe M.2 SSD  |
| Screen Size           | 16 Inches   |
| Max Screen Resolution | 2560x1600 Pixels (WQXGA)  |
| Display Features      | Touchscreen, 120Hz Refresh Rate   |
| Connectivity          | Wi-Fi 6, Bluetooth  |
| Ports                 | 2x Thunderbolt 4 (USB4 Type-C), 2x USB Type-A, 1x HDMI 2.1, 1x Headphone/microphone combo, 1x Micro SD card reader, 1x AC smart pin |
| Color                 | Silver  |
| Item Weight           | 8 pounds  |

| Feature            | Specification              |
|--------------------|----------------------------|
| Product Dimensions | 14.07 x 9.94 x 0.78 inches |
| Special Feature    | Numeric Keypad             |

## WARRANTY AND SUPPORT

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### 1. Product Warranty

Your HP Envy 16 Laptop is covered by a standard manufacturer's warranty. For detailed information regarding warranty terms, duration, and coverage, please refer to the warranty documentation included with your product or visit the official HP support website. Keep your proof of purchase for warranty claims.

### 2. Online Support Resources

For additional support, drivers, software updates, and troubleshooting guides, visit the official [HP Support Website](#). You can search for your specific model (TPN-C159) to find relevant resources.

### 3. Customer Service

If you require direct assistance, contact HP customer service. Contact details can typically be found on the HP support website for your region.