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## HP TPN-Q278\_599J4AV

# HP Victus 15.6 i5 Gaming Laptop User Manual

Model: TPN-Q278\_599J4AV

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## 1. SETUP

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This section provides instructions for the initial setup of your HP Victus 15.6 i5 Gaming Laptop.

### 1.1 Unboxing and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Inspect for any visible damage. The box should contain the HP Victus Laptop and its power adapter.

### 1.2 Power Connection

Before first use, ensure the laptop is connected to a power source. Locate the AC smart pin port on the side of the laptop and connect the power adapter. The battery may be completely discharged upon arrival.

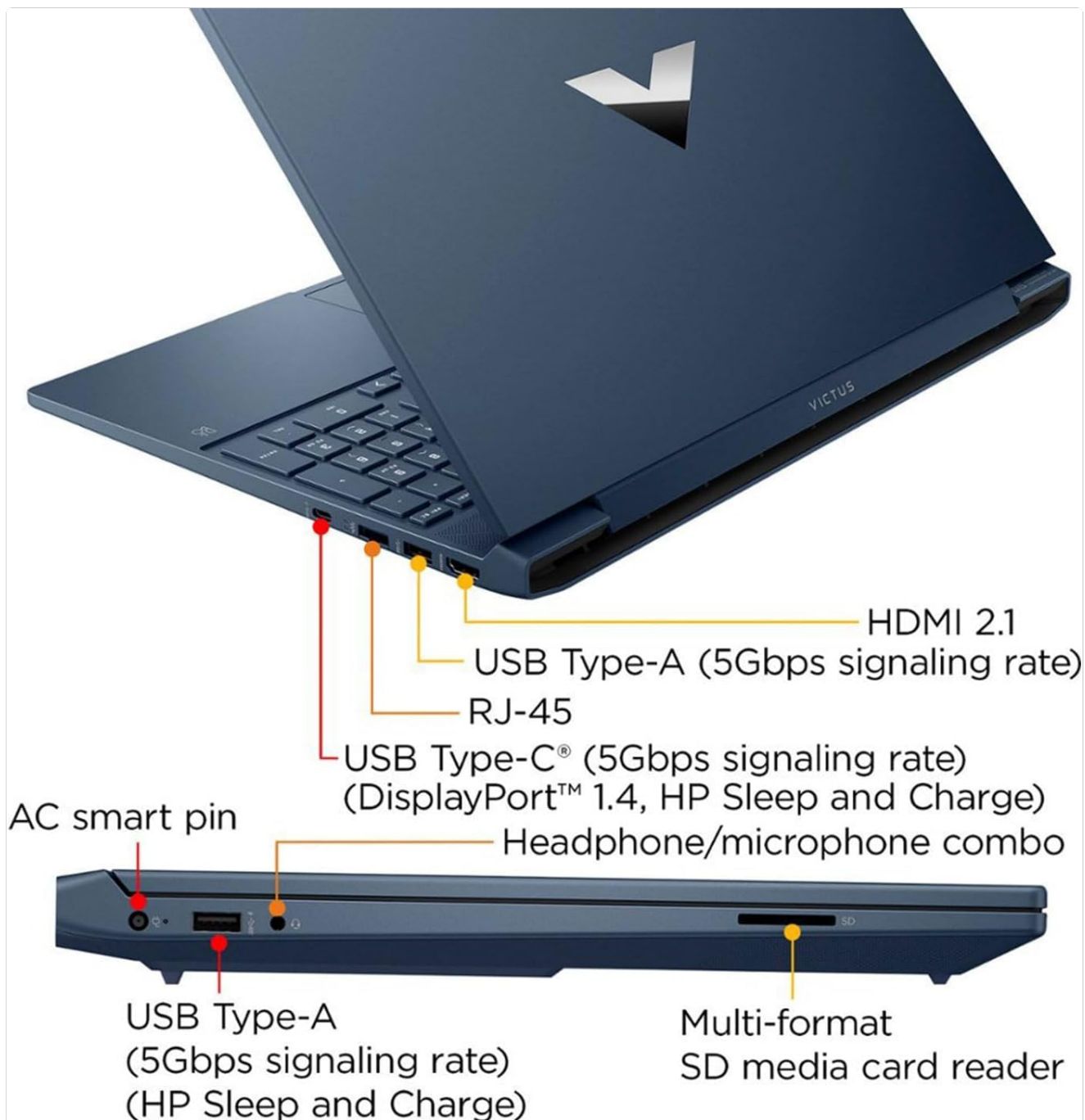


Image: The side view of the HP Victus laptop highlighting the AC smart pin for power connection, along with other ports.

### 1.3 First Boot and Operating System Setup

Press the power button to turn on the laptop. The system will guide you through the initial setup of Windows 11 Home. Follow the on-screen prompts to configure language, region, network settings, and user accounts. An active internet connection is recommended for this process to ensure all necessary updates are downloaded.

### 1.4 Connecting Peripherals

Your HP Victus laptop offers various ports for connecting external devices:

- **HDMI 2.1:** For connecting to external displays or TVs.
- **USB Type-A (5Gbps signaling rate):** For connecting USB devices like mice, keyboards, or external drives. There are two such ports.
- **RJ-45:** For wired Ethernet network connection.
- **USB Type-C (5Gbps signaling rate, DisplayPort™ 1.4, HP Sleep and Charge):** A versatile port for data

transfer, video output, and charging compatible devices.

- **Multi-format SD media card reader:** For reading SD cards.
- **Headphone/microphone combo:** For connecting headsets or external audio devices.

## One body Multiple Interfaces

- 1.AC smart pin
- 2.USB Type-A
- 3.Headphone/microphone combo
- 4.Multi-format SD media card reader
- 5.USB Type-C
- 6.RJ-45
- 7.USB Type-A
- 8.HDMI 2.1

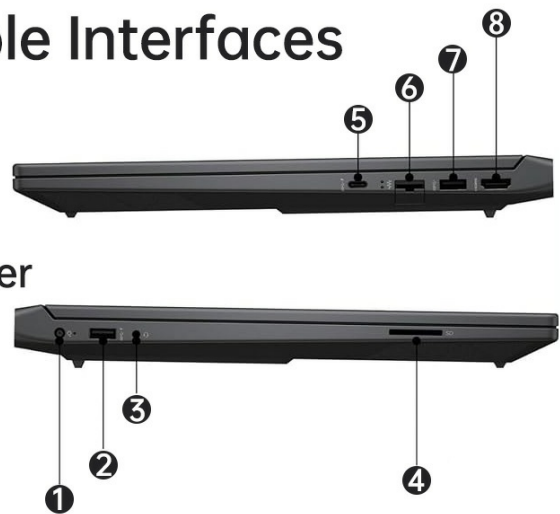


Image: Detailed view of the laptop's multiple interfaces, including USB, HDMI, RJ-45, and audio ports.

## 2. OPERATING INSTRUCTIONS

This section covers the general operation and key features of your HP Victus laptop.

### 2.1 Keyboard and Touchpad

The laptop features a full-size keyboard with a numeric keypad and a precision touchpad. The keyboard is backlit for improved visibility in low-light conditions. To toggle the keyboard backlight, press the **Fn + F4** keys simultaneously. If the touchpad is unresponsive, it may have been accidentally disabled. To enable or disable the touchpad, press the **Fn + F11** keys simultaneously. The F11 key typically has a touchpad icon.

### 2.2 Display Features

Your HP Victus laptop is equipped with a 15.6-inch Full HD (1920 x 1080) anti-glare IPS display with a 144Hz refresh rate. This high refresh rate provides smoother visuals, particularly beneficial for gaming and fast-paced content.

# 144Hz FHD IPS display

144Hz

FHD

anti-glare

IPS

Micro-edge



Image: The laptop screen highlighting its 144Hz refresh rate, Full HD resolution, anti-glare properties, IPS panel technology, and micro-edge design.

## 2.3 Audio System

The laptop features audio by B&O, providing enhanced sound quality for your entertainment and communication needs. Adjust volume using the dedicated function keys (F6, F7, F8) or through the Windows sound settings.

## 2.4 Wireless Connectivity

The HP Victus supports Wi-Fi 6 (802.11ax) for fast and reliable wireless internet connections and Bluetooth 5.3 for connecting wireless peripherals such as headphones, mice, and game controllers.



Image: The laptop emphasizing its wireless connectivity features, including Wi-Fi 6 and Bluetooth 5.3, and its integrated front-facing camera.

## 2.5 Gaming Performance

Equipped with an Intel Core i5-12450H processor and NVIDIA GeForce RTX 3050 graphics, this laptop is designed for gaming. The RTX 3050 features 4GB of GDDR6 memory, supporting ray tracing and NVIDIA DLSS for enhanced visual fidelity and performance in compatible games.

# NVIDIA GeForce RTX 3050

NVIDIA GeForce RTX 3050 is a powerful graphics card designed for gaming laptops. It offers realistic & immersive graphics, supporting ray tracing and NVIDIA DLSS for smoother gameplay. Its 4 GB GDDR6 memory ensure high performance, making it an excellent choice for 1080p gaming on laptops.

**4 GB GDDR6**



Image: Visual representation of the NVIDIA GeForce RTX 3050 graphics card, highlighting its 4GB GDDR6 memory, crucial for gaming performance.

## 3. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your laptop.

### 3.1 Cleaning the Laptop

- **Screen:** Use a soft, lint-free cloth specifically designed for electronics. Dampen slightly with water or a screen cleaner, never spray directly onto the screen.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly dampened cloth with mild soap solution can be used, ensuring no liquid enters the ports or vents. Compressed air can be used to clear dust from between keys.
- **Vents:** Regularly check and clean the air vents to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air to gently blow dust out of the vents.

### 3.2 Battery Care

The laptop's battery provides approximately 7 hours of average use. For optimal battery health:

- Avoid fully discharging the battery frequently.
- If storing the laptop for an extended period, ensure the battery is charged to about 50%.
- For intensive tasks like gaming, it is recommended to keep the laptop plugged into the power adapter to ensure stable performance and prevent rapid battery drain.

### 3.3 Software Updates

Regularly update your operating system (Windows 11 Home) and device drivers. Updates often include performance improvements, security patches, and bug fixes. You can check for Windows updates via **Settings > Windows Update**. For graphics drivers (NVIDIA GeForce RTX 3050), visit the official NVIDIA website or use the GeForce Experience application.

### 3.4 Storage Management

Your laptop comes with a 1TB PCIe NVMe M.2 Solid State Drive (SSD). To maintain optimal performance:

- Periodically delete unnecessary files and applications.
- Utilize cloud storage for large files to free up local disk space.
- Avoid filling the SSD to its maximum capacity, as this can impact performance.

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## 4. TROUBLESHOOTING

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This section addresses common issues you might encounter and provides solutions.

### 4.1 No Power / Laptop Won't Turn On

- **Check Power Connection:** Ensure the power adapter is securely plugged into both the laptop and a working wall outlet. Try a different outlet.
- **Battery Charge:** If the battery is completely drained, it may take a few minutes of charging before the laptop can power on.
- **Hard Reset:** Disconnect the power adapter, press and hold the power button for 15-20 seconds, then reconnect power and try turning it on.

### 4.2 Display Issues

- **No Image:** Ensure the laptop is powered on. If connected to an external monitor, try disconnecting it or pressing **Fn + F2** (or the key with a display icon) to cycle display outputs.
- **Flickering/Distorted Image:** Update your graphics drivers. If the issue persists, it may indicate a hardware problem.

### 4.3 Connectivity Problems (Wi-Fi, Bluetooth)

- **Wi-Fi:** Ensure Wi-Fi is enabled in Windows settings. Restart your router/modem. Update wireless drivers.
- **Bluetooth:** Ensure Bluetooth is enabled in Windows settings. Try removing and re-pairing the device. Update Bluetooth drivers.

### 4.4 Performance Issues / Laptop is Slow

- **Close Unused Applications:** Too many programs running simultaneously can consume resources.
- **Check for Updates:** Ensure Windows and drivers are up to date.
- **Disk Space:** Ensure you have sufficient free space on your 1TB SSD.
- **Overheating:** Excessive fan noise or hot chassis can indicate overheating. Ensure vents are clear and the laptop is on a hard, flat surface.

## 4.5 Keyboard / Touchpad Not Responding

- **Toggle Function Keys:** For touchpad, press **Fn + F11**. For keyboard backlight, press **Fn + F4**.
- **Restart:** A simple restart can often resolve temporary input device issues.
- **Driver Reinstallation:** In Device Manager, try uninstalling and reinstalling keyboard/touchpad drivers.

## 4.6 Audio Problems

- **Check Volume:** Ensure volume is not muted and is turned up.
- **Default Playback Device:** Verify the correct playback device is selected in Windows sound settings.
- **Update Drivers:** Update audio drivers.

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## 5. SPECIFICATIONS

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Detailed technical specifications for the HP Victus 15.6 i5 Gaming Laptop (Model: TPN-Q278\_599J4AV).

Component	Specification
Processor	Intel Core i5-12450H (8 Cores, 12 Threads, 12MB L3 Cache, 1.5 GHz Base, up to 4.4 GHz Max Turbo)
Graphics	NVIDIA GeForce RTX 3050 (4 GB GDDR6 Dedicated)
RAM	32 GB DDR4 (3200 MHz)
Storage	1 TB PCIe NVMe M.2 SSD
Display	15.6" FHD (1920 x 1080) 144Hz Anti-Glare IPS Micro-Edge
Operating System	Windows 11 Home
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.3
Ports	1x HDMI 2.1, 2x USB Type-A (5Gbps), 1x RJ-45, 1x USB Type-C (5Gbps, DisplayPort 1.4, HP Sleep and Charge), 1x Multi-format SD media card reader, 1x Headphone/microphone combo
Battery Life (Average)	Up to 7 hours
Dimensions (LxWxH)	14.09 x 10.04 x 0.93 inches
Weight	5.06 pounds
Color	Blue

- Processor**
- 12th Generation Intel® Core™ i5-12450H
  - 8-Core
- 
- Processor speed**
- Up to 4.4 GHz with Intel® Turbo Boost Technology
- 
- Processor cache**
- 12 MB L3 cache
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Image: The laptop shown with its physical dimensions and key processor specifications.

## 6. WARRANTY & SUPPORT

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For detailed warranty information, please refer to the warranty card included with your product or visit the official HP support website. HP provides various support resources, including drivers, software updates, and troubleshooting guides.

### 6.1 Contacting HP Support

If you encounter issues that cannot be resolved using this manual, please contact HP customer support. You can find contact information and online support resources on the official HP website: [www.hp.com/support](http://www.hp.com/support)

### 6.2 Protection Plans

Extended protection plans may be available for your device. These plans can offer additional coverage beyond the

standard manufacturer's warranty. For more information on available protection plans, please consult your retailer or the HP website.

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