

BrosTrend 2.5Gb PCIe Network Card

BrosTrend 2.5Gb PCIe Network Card User Manual

Model: 2.5Gb PCIe Network Card

1. INTRODUCTION

The BrosTrend 2.5Gb PCIe Network Card is designed to upgrade your desktop PC's network connectivity, providing speeds up to 2.5 times faster than standard Gigabit Ethernet. This card is ideal for enhancing online gaming, 4K streaming, and local data transfers, ensuring a stable and responsive network experience.

Key features include:

- **2.5 Gbps Next-gen Connection:** Delivers 2.5x faster speeds than typical Gigabit PCIe network adapters.
- **Ultra-fast Internet Access:** Improves speed, latency, and responsiveness for gaming and streaming.
- **Instant Local Network Transfer:** Facilitates blazing-fast connections and data transmission with other local network devices.
- **Durable Metal Shielding:** Reduces electromagnetic interference, improves stability, and ensures a longer lifespan.
- **Latest Realtek Chip:** Compatible with a wide range of operating systems, including Windows 11/10/8.1/8/7/XP and various Windows Server versions.
- **Supports Wake on LAN:** Allows remote wake-up of your computer.

2.5Gbps

PCIe Network Card



Blazing-fast
2.5G Speed



Multi-speed
Compatibility



Supports
Various OSes



Wake
on LAN



QoS

Image: BrosTrend 2.5Gb PCIe Network Card installed in a desktop PC, highlighting its 2.5Gbps speed capability.

2. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x 2.5 Gb PCIe Network Card
- 1 x Standard Bracket
- 1 x Low-Profile Bracket
- 1 x Driver CD Disc
- 1 x Quick Installation Guide

Blazing-Fast 2.5Gbps Speeds



Image: The BrosTrend 2.5Gb PCIe Network Card along with its standard and low-profile brackets, driver CD, and quick installation guide.

3. SPECIFICATIONS

Feature	Description
Brand	BrosTrend
Model Number	2.5Gb PCIe Network Card
Hardware Interface	Ethernet, PCI Express x1
Color	Black
Compatible Devices	Any desktop computer with PCI Express slot (x1, x4, x8, x16 PCIe slots), including full tower, mid tower, mini tower, and small form factor PCs.
Product Dimensions	4.7"L x 2.9"W x 0.7"H
Data Link Protocol	IEEE 802.3
Data Transfer Rate	2.5 Gigabits Per Second
Item Weight	39.6 Grams
Manufacturer	BrosTrend Technology LLC



Image: Architectural design of the 2.5Gb PCIe Network Card, highlighting its components and features.

4. SETUP AND INSTALLATION

Follow these steps to install your BrosTrend 2.5Gb PCIe Network Card:

- 1. Power Off and Unplug:** Turn off your computer completely and unplug the power cable from the power supply unit.
- 2. Remove Case Panel:** Carefully remove the side panel of your computer case to access the motherboard.

3. **Locate PCIe Slot:** Find an available PCI Express slot (x1, x4, x8, or x16) on your motherboard.
4. **Insert Network Card:** Gently insert the 2.5Gb PCIe Network Card into the chosen PCIe slot, ensuring it is seated firmly. If your PC is a small form factor, you may need to replace the standard bracket with the included low-profile bracket.
5. **Secure Card and Close Case:** Secure the network card with a screw (not included) if necessary, then replace the computer case panel.
6. **Reconnect Power:** Plug the power cable back into your computer and turn it on.



Image: Illustration of powering off the PC, removing the case panel, and inserting the PCIe network card.



Image: The PCIe Network Card shown with both standard and low-profile brackets for flexible installation in various PC sizes.

Your browser does not support the video tag.

Video: A step-by-step guide on how to physically install the BrosTrend 2.5Gb PCIe Network Card into a desktop computer.

5. DRIVER INSTALLATION

For Windows 10, the card is typically plug-and-play. For other operating systems, driver installation is required:

1. **Insert Driver CD:** Insert the provided driver CD into your computer's optical drive.
2. **Open Driver Folder:** Navigate to 'This PC' and double-click the driver folder (usually named 'Driver & Manual') on the CD to open the installation interface.

3. **Select OS and Install:** Choose your operating system from the interface and follow the on-screen instructions to complete the driver installation.
4. **Download from Website (Optional):** If you do not have an optical drive, you can download the latest driver from the official BrosTrend website.

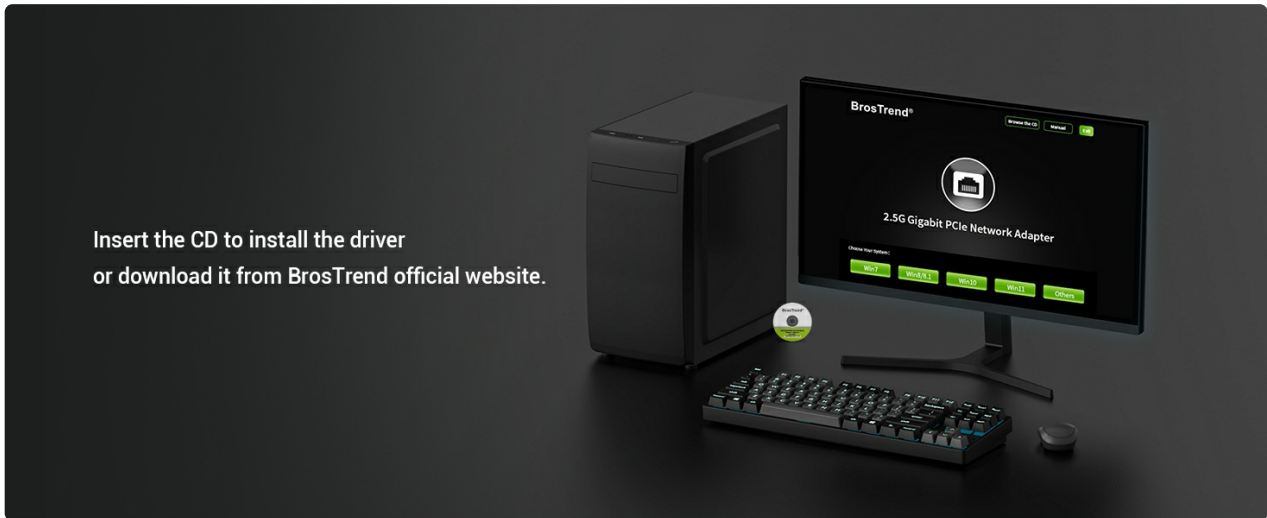


Image: A computer screen showing the driver installation interface, with options to install from CD or download from the website.

6. OPERATING INSTRUCTIONS

After successful hardware and driver installation, connect your network cable:

1. **Connect Ethernet Cable:** Connect an Ethernet cable from your router or Ethernet switch to the RJ45 port on the BrosTrend 2.5Gb PCIe Network Card.
2. **Check LED Indicators:** The LED indicators on the card will show the connection status and speed:
 - A blinking **2.5G LED** indicates the card is working at 2.5Gbps.
 - A blinking **1000M LED** indicates the card is working at 1000Mbps (1Gbps).
 - A blinking **100/10M LED** indicates the card is working at 100/10Mbps.
3. **Enjoy Enhanced Connectivity:** Your computer should now have high-speed network access.

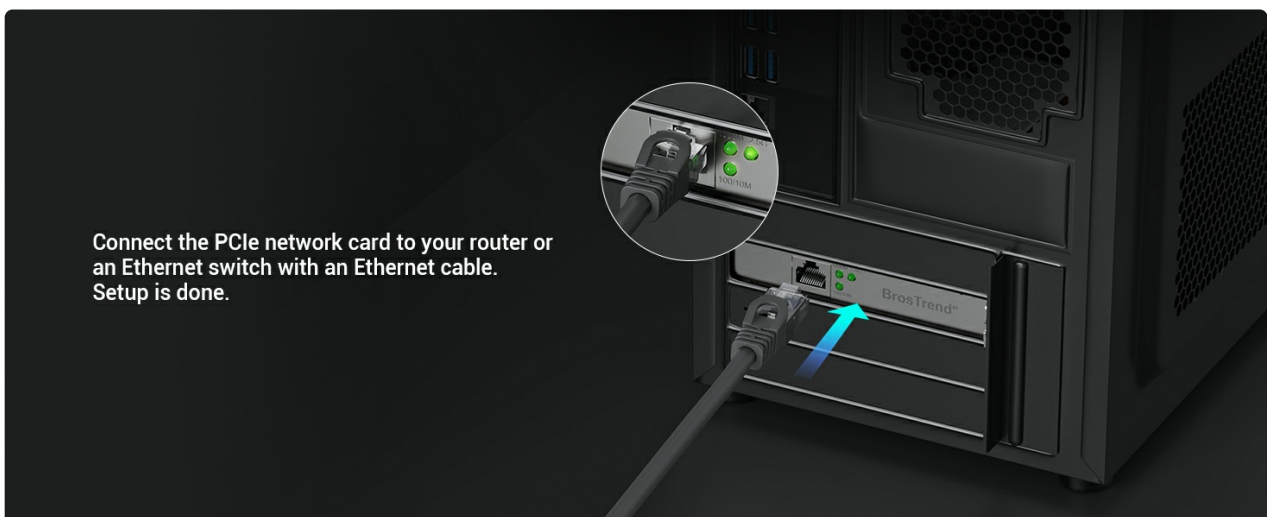


Image: Connecting an Ethernet cable to the installed PCIe network card in a desktop PC.

Know Your Connection Speed



Image: Close-up of the PCIe Network Card's LED indicators, explaining how to interpret connection speeds.

Your browser does not support the video tag.

Video: An introductory video showcasing the features and benefits of the BrosTrend 2.5 Gbps PCIe Network Card.

7. TROUBLESHOOTING

If you encounter issues with your BrosTrend 2.5Gb PCIe Network Card, consider the following:

- **No Connection:** Ensure the card is properly seated in the PCIe slot and the Ethernet cable is securely connected to both the card and your router/switch.
- **Slow Speed:** Verify that your router/switch and Ethernet cable (Cat5e or higher recommended) support 2.5Gbps speeds. Check the LED indicators on the card to confirm the active connection speed.
- **Driver Issues:** Reinstall the latest driver from the BrosTrend official website. Ensure you select the correct driver for your operating system.
- **Interference:** The card features metal shielding to reduce electromagnetic interference. If issues persist, ensure the card is not in close proximity to other high-frequency devices.
- **System Compatibility:** Confirm your operating system is supported (Windows 11/10/8.1/8/7/XP, Windows Server 2022/2016/2012 R2/2012/2008 R2/2008/2003).

8. WARRANTY AND SUPPORT

BrosTrend provides Limited Lifetime Protection for this product. For warranty registration and detailed terms, please refer to the information provided with your product or visit the official BrosTrend website.

If you require further assistance or have any questions, please contact BrosTrend customer support:

- **Email:** support@brostrend.com
- **Website:** Visit the BrosTrend Store on Amazon for more information and resources.