

## Digitus DN-10130-1

# DIGITUS Gigabit Ethernet Network Card User Manual

Model: DN-10130-1

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your DIGITUS Gigabit Ethernet Network Card. This PCI Express network card is designed to equip your PC with an additional Gigabit Ethernet port, enabling high-speed data transfer up to 1000 Mbps over existing network cabling. It includes a low-profile slot panel, making it suitable for various computer chassis sizes.



Figure 1: DIGITUS Gigabit Ethernet Network Card (Main View)

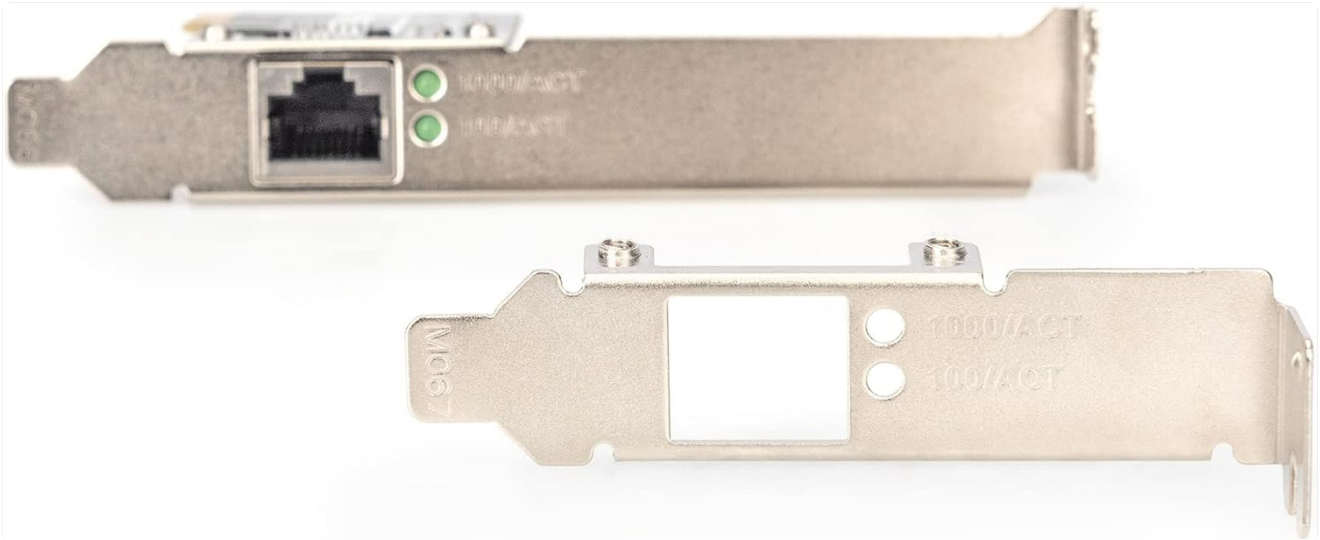
This image shows the overall view of the DIGITUS Gigabit Ethernet Network Card, highlighting its PCI Express interface and the RJ45 port.

## PACKAGE CONTENTS

Before proceeding with the installation, please verify that all components are present in the package:

- Gigabit Ethernet PCI Express Network Card
- Low Profile Slot Plate

- Quick Start Guide
- Support CD-ROM (containing drivers and utilities)



*Figure 2: Network Card with Included Low Profile Bracket*

This image displays the network card alongside the additional low-profile bracket, which can be used for installation in smaller computer cases.

## SETUP AND INSTALLATION

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Follow these steps carefully to install your network card:

1. **Power Off and Disconnect:** Completely shut down your computer and disconnect the power cable from the wall outlet.
2. **Open Computer Case:** Remove the side panel of your computer case to access the motherboard.
3. **Locate PCI Express Slot:** Identify an available PCI Express (PCIe) slot on your motherboard. The card requires a PCIe x1 slot or larger (e.g., x4, x8, x16).
4. **Remove Slot Cover:** Carefully remove the metal slot cover from the back of your computer case corresponding to the chosen PCIe slot. If installing in a small form factor PC, you may need to replace the standard bracket on the network card with the included low-profile bracket.
5. **Insert Network Card:** Align the network card with the PCIe slot and press it firmly and evenly until it is securely seated. Ensure the bracket is flush with the back of the case.
6. **Secure Card:** Secure the network card with the screw or latch mechanism provided by your computer case.
7. **Close Case and Reconnect:** Replace the computer case side panel and reconnect all cables, including the power cable.
8. **Power On and Install Drivers:** Power on your computer. Once the operating system loads, insert the provided Support CD-ROM to install the necessary drivers. Alternatively, you can download the latest drivers from the Digitus official website. Follow the on-screen instructions to complete the driver installation.

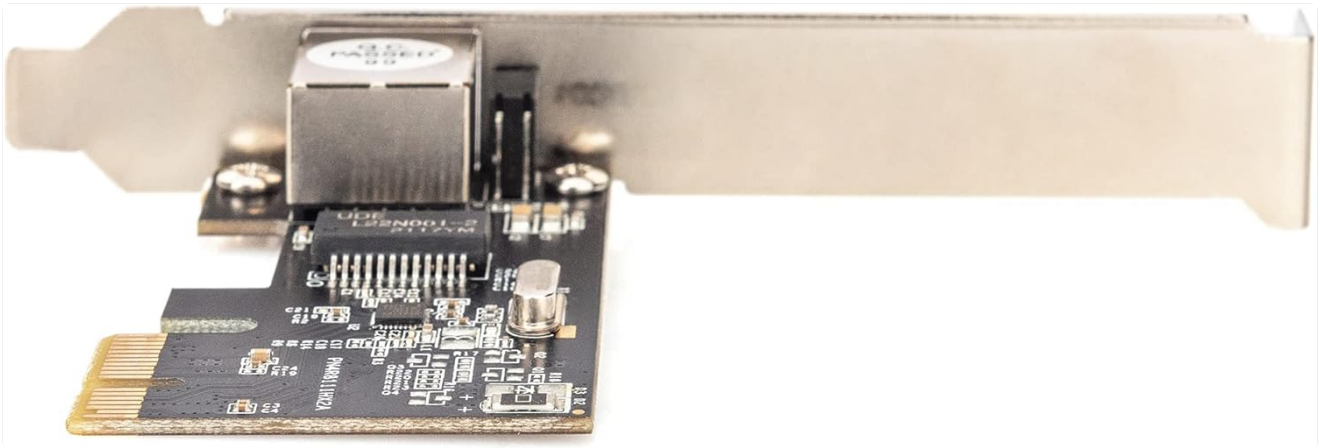


Figure 3: PCIe Connector Detail

This image provides a close-up view of the PCI Express connector on the network card, which plugs into the motherboard.

## OPERATING INSTRUCTIONS

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Once the network card is physically installed and drivers are successfully loaded, you can begin using it:

1. **Connect Ethernet Cable:** Plug a standard RJ45 Ethernet cable from your network router, switch, or modem into the RJ45 port on the newly installed network card.
2. **Verify Connection:** Observe the LED indicators on the RJ45 port. Typically, one LED indicates link activity (data transfer) and the other indicates connection speed (e.g., green for Gigabit, amber for 100 Mbps). Refer to the image below for LED locations.
3. **Network Configuration:** Your operating system should automatically detect the new network connection. You may need to configure network settings (e.g., IP address, DNS) if your network does not use DHCP.
4. **Test Connectivity:** Open a web browser or use network diagnostic tools to confirm internet access and network connectivity.



Figure 4: RJ45 Port with LED Indicators

This image shows the RJ45 Ethernet port on the network card, along with the two LED indicators that provide visual feedback on network link status and activity.

## MAINTENANCE

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The DIGITUS Gigabit Ethernet Network Card is designed for reliable operation with minimal maintenance. However, consider the following:

- **Driver Updates:** Periodically check the Digitus official website for updated drivers. Keeping drivers current can improve performance and resolve compatibility issues.
- **Physical Inspection:** If you experience network issues, a physical inspection of the card and cable connections can be helpful. Ensure the card is securely seated in its PCIe slot and the Ethernet cable is firmly connected.
- **Dust Removal:** Over time, dust can accumulate inside your computer case. If necessary, carefully clean the

area around the network card using compressed air to prevent overheating. Ensure the computer is powered off and unplugged before cleaning.

## TROUBLESHOOTING

If you encounter issues with your network card, refer to the following troubleshooting tips:

- **No Network Connection:**
  - Ensure the Ethernet cable is securely connected to both the network card and your router/switch.
  - Verify that the network card is properly seated in the PCIe slot.
  - Check if the network card drivers are correctly installed in your operating system's Device Manager. Reinstall drivers if necessary.
  - Test with a different Ethernet cable or port on your router/switch.
- **Slow Network Speed:**
  - Ensure your router/switch supports Gigabit Ethernet (1000 Mbps).
  - Verify that the Ethernet cable is a Cat5e or Cat6 cable, suitable for Gigabit speeds.
  - Check for updated drivers for the network card.
  - Confirm that your operating system's network settings are configured for full duplex and Gigabit speed (if applicable).
- **Driver Installation Issues:**
  - Ensure you are installing the correct drivers for your operating system version (e.g., Windows 10, 64-bit).
  - Temporarily disable antivirus software during driver installation if it interferes.
  - Try installing drivers in compatibility mode if experiencing issues on newer operating systems.

## SPECIFICATIONS

Feature	Detail
Brand	Digitus
Model Number	DN-10130-1
Hardware Interface	PCI Express (PCIe x1), Ethernet
Data Link Protocol	Gigabit Ethernet (10/100/1000 Mbps)
Data Transfer Rate	1000 Megabits Per Second
Compatible Devices	Desktop PCs
Chipset	Realtek RTL8111H
Product Dimensions	5.51 x 7.87 x 1.38 inches
Item Weight	0.035 ounces (approx. 1 Grams)
Color	Black

## WARRANTY AND SUPPORT

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DIGITUS products are designed for quality and reliability. This product comes with a standard limited warranty. Please refer to the warranty information provided on the Support CD-ROM or the official Digitus website for specific terms and conditions.

For technical support, driver downloads, or further assistance, please visit the official Digitus support website or refer to the contact information provided in the Quick Start Guide included with your product. The included Support CD-ROM also contains drivers and additional resources.

*EU Spare Part Availability Duration: 1 Year*