PCIe 10G 6-Speed Multi-Gigabit Network Adapter

N-1350

User Manual

Ver. 1.00

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Chapter 1: Introduction

1.1 Product Introduction

The N-1350 PCIe 1-Port 10G 6-Speed Multi-Gigabit Network Adapter, powered by the Realtek RTL8127AT chipset, is engineered to deliver high-performance connectivity across a wide range of applications. Supporting Ethernet speeds of 10/100/1000M/2.5G/5G/10G, it ensures seamless compatibility with both legacy and next-generation networks, making it a versatile solution for professionals and enterprises. Its PCIe interface provides efficient data throughput, while Realtek's RealWoW! Technology enables remote wake-up of a sleeping PC via the Internet—ideal for IT management and energy-conscious environments. Designed with a 16K jumbo frame capability, the N-1350 meets the demanding requirements of high-resolution machine vision cameras, ensuring smooth data transmission for industrial automation and imaging workflows. Compact yet powerful, this adapter offers robust performance, low latency, and future-ready scalability. Whether for business, research, or advanced multimedia, the N-1350 delivers reliable, multi-gigabit networking in a single-port PCIe solution.

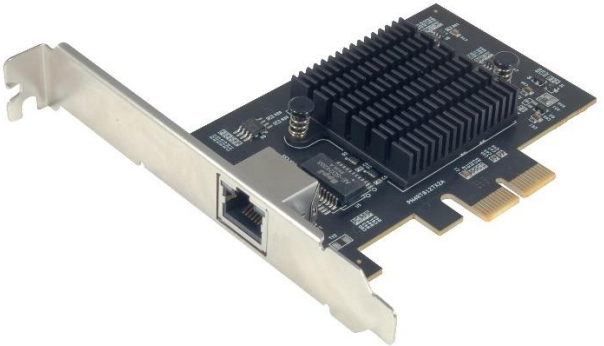
1.2 Features

- PCIe 3.0 x2 form factor
- Supports 6-Speed 10Gb/5Gb/2.5Gb/1Gb/100Mb/10Mb Ethernet
- Compliant with IEEE 802.3bz, 802.3an
- Supports IEEE 802.3az (Energy Efficient Ethernet)
- Up to 16K Jumbo Frame
- IP, TCP, UDP checksum offload
- LED Indicators

1.3 Requirements

- Windows 10/11
- Windows Server 2022/2025
- Linux kernel versions 2.6.x or newer
- FreeBSD

1.4 Product Diagram

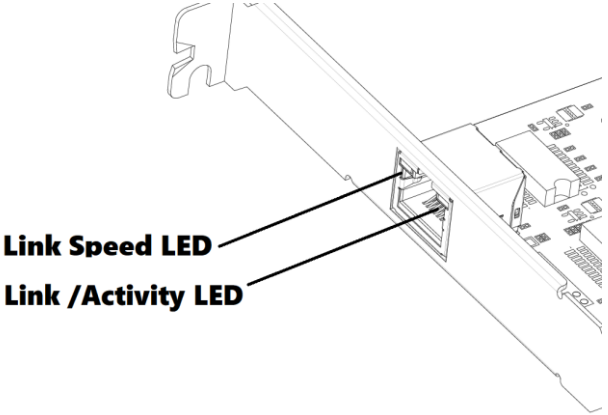


1.5 Package Contents

- 1 x PCIe 1-Port 10G 6-Speed Multi-Gigabit Network Adapter
- 1 x User Manual

Chapter 2: Getting Started

2.1 Hardware Layout



LED Indicator:

LED	Description
Link Speed LED	Indicates Link speed: • Solid Green = 10 Gbps • Solid Amber = 5G/2.5G/1G/100Mbps • No LED Activity = 10Mbps
Link /Activity LED	Indicates Network Card Activity: • Solid Green = Network port is connected • Flashing Green = Network port is active

2.2 Hardware Installation

1. Shut down your computer and turn off the power.
2. Disconnect the power cord and remove the computer's cover.
3. Locate an available PCIe slot and remove its slot bracket.
4. Carefully align the card's bus connector with the the PCIe slot on the motherboard. Press the card firmly into place until fully seated.
5. Fasten the card using the slot bracket's holding screw to ensure it is securely installed.
6. Replace the computer cover and reconnect the power cord.

2.3 Driver Installation

The following section shows you how to install PCIe 1-Port 10G 6-Speed Multi-Gigabit Network Adapter driver on different operating systems.

2.3.1 Installation for Windows

1. Visit URL https://www.sunrichtech.com.hk/
2. Search for "N-1350", and download the corresponding driver.
3. Follow the on-screen instructions to complete the installation.

2.3.2 Installation for Linux

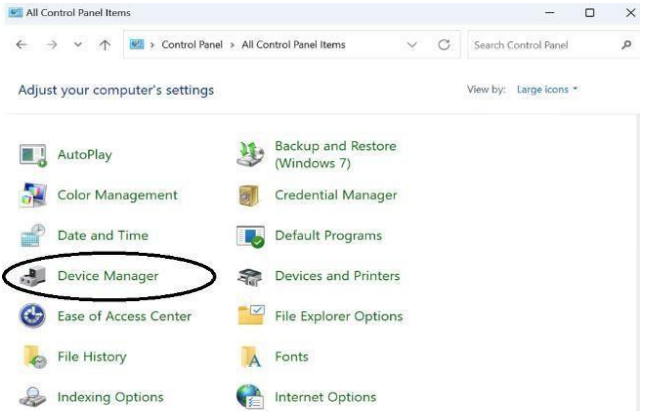
1. Visit URL https://www.sunrichtech.com.hk/
2. Search for "N-1350", and download the corresponding driver.
3. Open the downloaded driver folder and
   follow the instructions in the Readme.txt file
   to complete the installation.

2.4 Verifying the installation

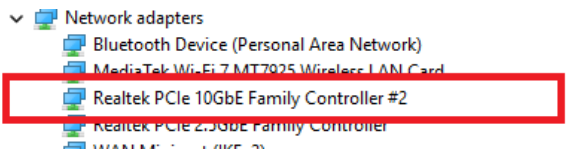
2.4.1 Verifying for Windows

1. Click on the **"Device Manager"** tab in the Windows Control Panel.

Start > Control Panel > Device Manager



2. Expand **"Network adapters"** item, and you can read **"Realtek PCIe 10GbE Family Controller"** in the Device Manager, as shown.



2.4.2 Verifying for Linux

You can check whether the driver is loading by using following commands:

lsmod | grep r81xx

ifconfig –a

If there is a device name, ethX, shown on the monitor, the linux driver is load. Then, you can use the following command to activate the ethX.

ifconfig ethX up, where X=0,1,2,…