PCIe 4-Port Gigabit Network Adapter

User Manual

Ver. 2.00

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Chapter 1: Introduction

1.1 Product Introduction

This PCIe 4-Port Gigabit Network Adapter is designed for desktops with available x4, x8, or x16 PCI Express slots. It supports high-performance quad-channel networking and full duplex communication, achieving speeds up to 2000 Mbps while remaining compatible with existing Ethernet. Powered by the Intel i350 network controller, it offers performance-enhancing features and power management technologies, making it an excellent choice for data centers by reducing CPU utilization and power consumption. Additionally, the NC-SI feature allows it to serve as a secure networking port for server remote management. The adapter includes comprehensive software drivers for all desktop operating systems, including Microsoft Windows and Linux.

1.2 Features

- Designed to meet PCI Express Specification Revision 2.1
- Four 10/100/1000Mbps compatible RJ-45 Ethernet ports
- Four-lane (or x4) PCI Express compatible with x4, x8 and x16 PCI Express slots
- Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- Supports 10/100/1000M data auto-negotiation
- Teaming support
- Jumbo Frame support
- Half duplex at 10/100 Mb/s operation and full duplex operation at all supported speeds

1.3 System Requirements

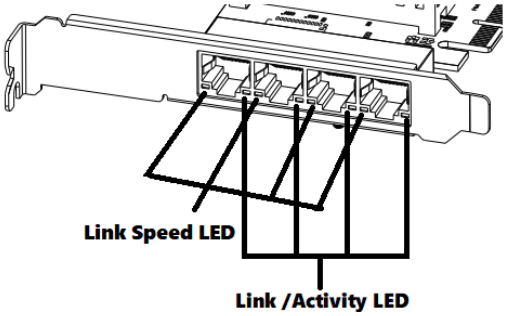
- Windows 10/11(64 bit)
- Windows Server 2012 R2/2016/2019/2022
- Linux 3.16 or later

1.4 Package Contents

- 1 x PCIe 4-Port Gigabit Network Adapter
- 1 x User Manual

Chapter 2: Getting Started

2.1 Hardware Layout



ink/Activity Indicator:

LED	Description
Link Speed LED	Indicates Link Speed: • Solid Green = 1000Mbps
Link /Activity LED	Indicates Network Card Activity: • Solid Green = Network port is connected • Flashing Green = Network port is active

2.2 Hardware Installation

1. Power down your computer.
2. Unplug the power cord and remove your computer's cover.
3. Remove the slot bracket from an available PCIe slot.
4. Align the card's bus connector with theselected PCIe slot on the motherboard and push the board down firmly.
5. Secure the card by replacing the slot bracket's holding screw.
6. Reattach the computer cover and reconnect the power cord.

2.3 Driver Installation

The following section shows you how to install PCIe 4-Port Gigabit Network Adapter driver on different operating systems.

2.3.1 Installation for Windows

1. Go to URL http://www.sunrichtech.com.hk/
2. Search N-580, download the driver.
3. Follow the on-screen instructions to finish installing the driver.

2.3.2 Installation for Linux

1. Go to URL http://www.sunrichtech.com.hk/
2. Search N-580, download the driver.

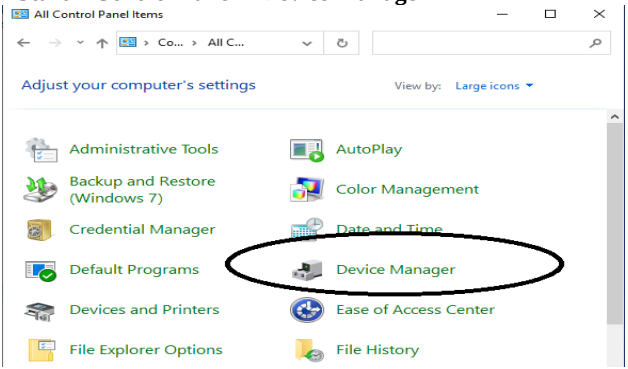
3. Follow Readme.txt which is in the driver folder tofinish installing the driver.

2.4 Verify Verifying the installation

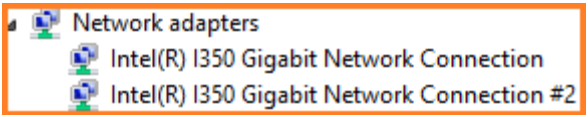
2.4.1 Verifying for Windows

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

Start > Control Panel > Device Manager



2. Entry **"Network adapters"** item, and you can read **"Intel(R) I350 Gigabit Network Connection"** in the Device Manager.



2.4.2 Verifying for Linux

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

   # lsmod | grep igb

   # 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,…