

PCIe 2-Port 2.5G Multi-Gigabit PoE Network Adapter

User Manual

Ver. 1.00

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Chapter 1: Introduction

1.1 Product Introduction

This PCIe 2-port 2.5GbE Ethernet adapter offers network connections with data rates up to 2.5Gbps and delivers up to 30W of PoE power per port. Featuring Intel I225 Ethernet controller, N-930 ensures high reliability and performance, making it ideal for various IPC and Server applications.

1.2 Features

- PCIe Gen2 x2 form factor
- Supports standard and low profile systems
- Supports 4-speed 2.5G/1G/100M/10Mbps auto negotiation
- Supports Wake-On-LAN (WoL)
- Up to 9KB jumbo frame
- Checksum and TSO offloading
- Supports PXE and UEFI Preboot
- PoE Type 2 PSE supports up to 30W per port
- Compliant with IEEE 802.3af/at standards
- Supports Type 1 and 2 PD devices

1.3 Requirements

- Windows 10/11 (64-bit)
- Linux Kernel 5.8 or later

1.4 Product Diagram

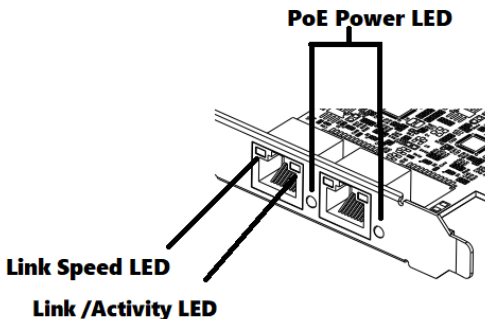


1.5 Package Contents

- 1 x PCIe 2-Port 2.5G Multi-Gigabit PoE Network Adapter
- 1 x User Manual

Chapter 2: Getting Started

2.1 Hardware Layout



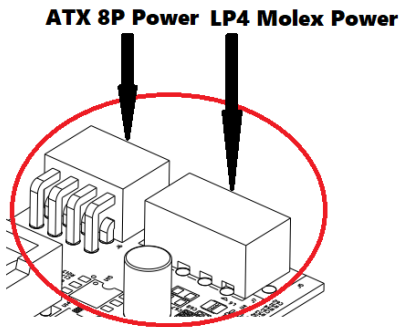
LED Indicator:

LED	Description
Link Speed LED	Indicates Link speed: • Solid Green = 2.5 Gbps • Solid Amber = 1000Mbps • Off = 100, 10 Mbps

Link /Activity LED	Indicates Network Card Activity: • Solid Green = Network port is connected • Flashing Green = Network port is active
PoE Power LED	Indicates PoE Power Activity: • Solid Green = PoE port is connected. (Power supply from powered device detected) • Off = Powered device not detected

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 the selected PCIe slot on the motherboard and push the board down firmly.
5. Please plug the ATX 8P power or LP4 Molex plugs securely from the power supply, otherwise the PoE function will not work.



6. Secure the card by replacing the slot bracket's holding screw.
7. Reattach the computer cover and reconnect the power cord.

2.3 Driver Installation

The following section shows you how to install PCIe 2-Port Multi-Gigabit PoE Network Card driver on different operating systems.

2.3.1 Installation for Windows

1. Go to URL <http://www.sunrichtech.com.hk/>
2. Search N-930, download the driver.
3. Follow the on-screen instructions to finish installing the driver.

2.3.2 Installation for Linux

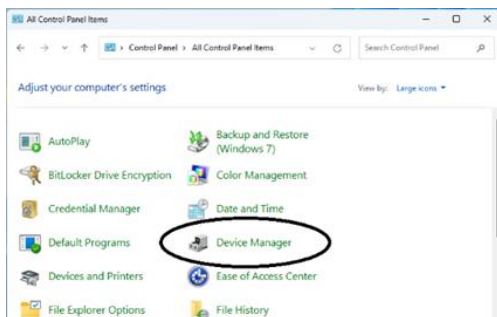
1. Go to URL <http://www.sunrichtech.com.hk/>
2. Search N-930, download the driver.
3. Follow Readme.txt which is in the driver folder to finish installing the driver.

2.4 Verifying the installation

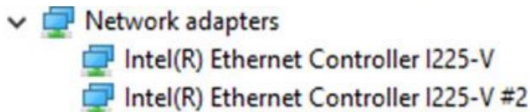
2.4.1 Verifying for Windows

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 “**Intel(R) Ethernet Controller I255-V**” 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
```

```
# 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,...
```