

# **USB 3.1 Gen 1 2.5G 4-Speed Multi-Gigabit Ethernet Adapter**

## **User Manual**

**Ver. 1.00**

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# Chapter 1: Introduction

## ***1.1 Product Introduction***

This USB 3.1 Gen 1 2.5G 4-Speed Multi-Gigabit Ethernet Adapter supports data rate up to 2.5 Gbps. It is aimed at lower the cost to upgrade Gigabit Ethernet to 2.5G Ethernet. It will increase business working efficiency by increasing the network speed. It will also greatly reduce file transfer time between networked devices in a home environment, where video streaming over the network is becoming commonplace.

## ***1.2 Features***

- Compliant with USB 3.1 Gen1, USB 2.0 and USB 1.1
- Supports 10/100/1000/2500Mbps Ethernet
- Supports IEEE 802.1Q VLAN tagging
- Supports IEEE 802.3az (Energy Efficient Ethernet)
- Supports IEEE 802.3bz(2.5GBASE-T)
- Supports Full Duplex flow control (IEEE 802.3x)
- Downstream port: RJ45

- Up to 16KB jumbo frames

### ***1.3 System Requirements***

- Windows® 7/8/8.1/10 (32/64 bit)
- Linux 3. x or later; Linux 4. x or later

### ***1.4 Package Contents***

- 1 x USB 3.1 Gen 1 2.5G 4-Speed Multi-Gigabit Ethernet Adapter
- 1 x Driver CD
- 1 x User Manual

## **Chapter 2: Getting Started**

### ***2.1 Hardware Installation***

1. Plug the USB 3.1 Gen 1 2.5G 4-Speed Multi-Gigabit Ethernet Adapter directly into an available USB port on your computer.
2. Connect one end of your network cable into the RJ45 port of USB 3.1 Gen 1 2.5G 4-Speed Multi-Gigabit Ethernet Adapter.
3. Connect the other end of the network cable into an available

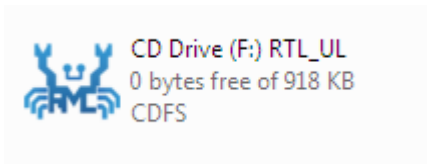
Ethernet port on your router, switch, or any other networking device.

## ***2.2 Driver Installation***

The following section shows you how to install the USB 3.1 Gen 1 2.5G 4-Speed Multi-Gigabit Ethernet Adapter driver on different operating systems.

### **2.2.1 Installation for Windows**

1. Plug the USB 3.1 Gen 1 2.5G 4-Speed Multi-Gigabit Ethernet Adapter directly into an available USB port on your computer. The CD-ROM will start automatically. The following screen will show up and please click “**CD-ROM**”.



**Note:** If the install program doesn't run automatically, please

insert the CD and follow the path “Driver\Realtek\RTL USB Network\Windows”, select the driver that matches the system.

2. Follow the instructions on screen to install the driver.

## 2.2.2 Installation for Linux

1. Insert the provided CD into your CD-ROM drive.
2. Extract the compressed driver source file to a certain directory by the following command: (Please copy the driver file “r x.tar” from the CD folder “.\ Driver\Realtek\RTL USB Network\linux” to a certain folder on hard drive)

```
# tar r x.tar
```

3. Now, the driver source files should be extracted under the current directory. Executing the following command to compile the driver:

```
# make
```

4. If the compilation is well, the fiji.tar.gz will be created under the current directory.
5. If you want to use modprobe command to mount the driver, executing the following command to install the driver into your

kernel:

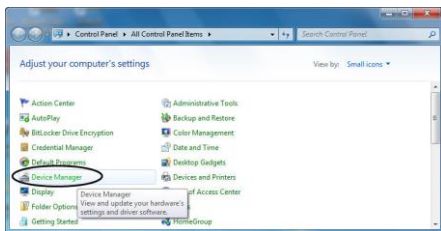
# make install

## 2.3 Hardware Verify

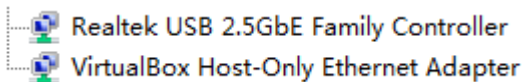
### 2.3.1 Verifying for Windows

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 “**Realtek USB 2.5GbE Family controller**” in the Device Manager.



## 2.3.2 Verifying for Linux

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

```
# ifconfig -a
```

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

```
# ethtool -i enX
```