

*Rosewill*<sup>®</sup>

**RNG-406Uv2**

**USB 3.0 to Gigabit Ethernet Cable**



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# Chapter 1: Introduction

## ***1.1 Product Introduction***

This USB 3.0 to Gigabit Ethernet Cable add a single RJ-45 Ethernet networking port to a USB enabled (USB 3.0) computer system with link speeds up to 1000 Mbps. Backwards compatible with USB 2.0 computer system and 10/100 Mbps Ethernet networks, this compact and portable cable is ideal as a desktop replacement network adapter or laptop accessory.

## ***1.2 Features***

- Compliant with Universal Serial Bus 3.0 Specification, Revision 1.0
- Compatible with USB Specification, Revision 2.0
- Supports CDC-ECM
- Supports full duplex operation with IEEE 802.3x flow control and half duplex operation with back-pressure flow control
- Compatible with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- Supports IEEE 802.3az (Energy Efficient Ethernet)

- Supports crossover detection and auto-correction
- Supports advanced link down power saving when Ethernet cable is unplugged
- Supports Wake-on-LAN
- Supports jumbo frame up to 9K bytes
- Upstream port: USB 3.0 type A
- Downstream port: RJ45
- LEDs indicate the status of Power status and Ethernet connection

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

- Windows® XP/Vista/7/8/8.1 (32/64 bit); Mac OS X 10.6/10.7/10.8/10.9/10.10; Linux 2.6.27 and up (tested up to 3.13)
- Available USB 2.0 port (Recommend USB 3.0 port)

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

- 1 x RNG-406Uv2 USB 3.0 to Gigabit Ethernet Cable
- 1 x Driver CD
- 1 x User Manual

# Chapter 2: Getting Started

## ***2.1 Hardware Installation***

1. Plug the USB 3.0 to Gigabit Ethernet Cable directly into an available USB 2.0 port (Recommend USB 3.0 port) on your computer.
2. Connect one end of your network cable into the RJ45 port of USB 3.0 to Gigabit Ethernet Cable.
3. Connect the other end of the network cable into an available Ethernet port on your router, switch, or any other networking device.

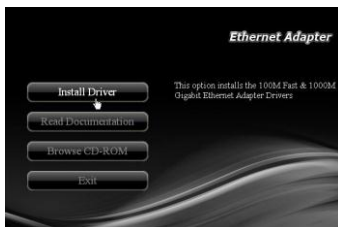
## ***2.2 Driver Installation***

The following section shows you how to install the USB 3.0 to Gigabit Ethernet Cable driver on different operating systems.

**Important!** Please connect the USB 3.0 to Gigabit Ethernet to your PC before the install.

## 2.2.1 Installation for Windows

1. Insert the provided CD into your disk drive. The CD-ROM will start automatically. The following screen will show up and please click “**Install Driver**”.



\*Note: Actual image may vary

**Note:** If the install program doesn't run automatically, please locate and double-click on the **Autorun.exe** file in the CD to launch the install program.

2. Please click “**USB 1000M**”.



\*Note: Actual image may vary

3. Please click “**USB 3.0 1000M**” to start the installation.



\*Note: Actual image may vary

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

## 2.2.2 Installation for Mac OS

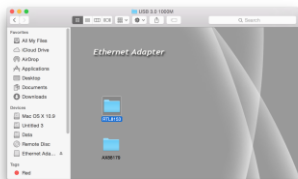
1. Insert the provided CD into your CD-ROM drive.
2. Double-click the “**Ethernet Adapter**” disc icon, double-click “**Drivers**” folder.



\*Note: Actual image may vary

3. Go to the “USB 1000M”-> “USB 3.0 1000M”-> “RTL8153” folder, then double click “**RTUNICvx.x.x.pkg**” file to launch the driver installer.





\*Note: Actual image may vary

4. Follow the instructions on screen to install the driver. After driver installation is complete, you must restart your computer.

## 2.2.3 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 “r8152-x.xx.xx.tar.bz2” from the CD folder “.\\Driver\\USB GbE\\AX88179&RTL8153\\RTL8153\\Linux” to a certain folder on

hard drive)

```
# tar -xf r8152-x.xx.xx.tar.bz2
```

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 r8152.ko 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:

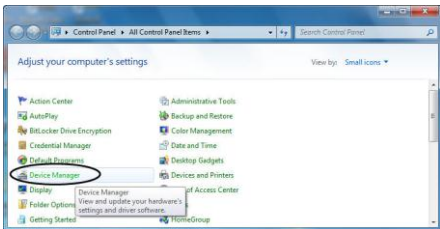
```
# make install
```

## ***2.3 Hardware Verify***

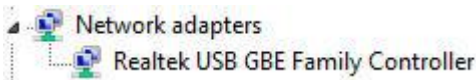
### **2.3.1 Verifying for Windows**

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

**Start > Control Panel > Device Manager**

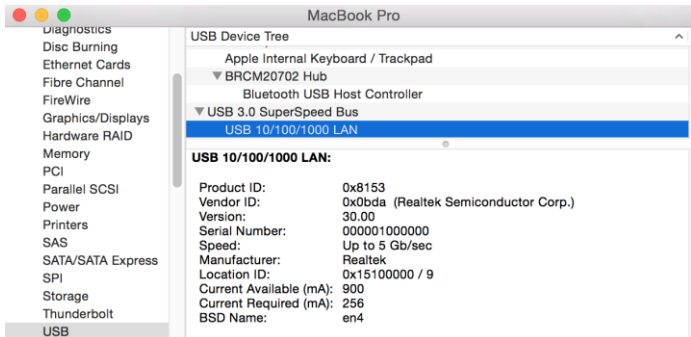


2. Entry “**Network adapters**” item, and you can read “**Realtek USB GBE Family Controller**” in the Device Manager.



### 2.3.2 Verifying for Mac OS X

1. Choose About this Mac from the Apple menu.
2. Click on More Info...
3. In the Contents sidebar select USB from the Hardware section.
4. Scroll the list to reveal the USB 3.0 to Gigabit Ethernet Cable information



## 2.3.3 Verifying for Linux

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

```
# lsmod | grep r8152
```

```
# 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,...
```