

USB Network Adapter

10/100Mbps

Fast Ethernet Adapter

User's Manual



FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits of a Class B computing devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

If you suspect this product is causing interference, turn your computer on and off while your radio or TV is showing interference. If the interference disappears then when you turn the computer off and reappears then you turn the computer on, something in the computer is causing interference.

You can try to correct the interference by one or more of the following measures :

- 1.Reorient/Relocate the receiving antenna.
- 2.Increase the separation between the equipment and receiver.
- 3.Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.
- 4.Ensure that all expansion slots (on the back or side of the computer) are covered. Also ensure that all metal retaining brackets are tightly attached to the computer.

1.Introduction

Thanks you for purchasing our USB to 10/100Mbps Fast Ethernet Network Adapter. This guide is to provide the installation and usage of this adapter for network installers and users.

The USB Fast Ethernet Adapter provides a convenient and cost-effective way of connect the notebook or desktop PCs to an IEEE 802.3/802.3u standard Fast Ethernet network based on the Universal Serial Bus (USB). This is designed for both the Notebook or Desktop PC which has USB connector with operating system supported. Using this USB 10/100M Ethernet Adapter you can simplify your Network connections at home, office and even on the road.

Full/half duplex operation is auto-detected. In full-duplex, the USB adapter is connected to a switch on a dedicated segment. With transmission and reception taking place simultaneously, data transfer is double.

This adapter can work with Windows 95(OSR 2.1), Windows 98, Windows 2000. Whatever your requirements are ease of installation, superior performance or responsive support backed up by unlimited technical support, this adapter is the superior choice.

2.Features & Specifications

(1) Features & Benefits

- USB specification 1.0 and 1.1 compliant and Plug & Play Support
- Support Full-Speed USB data transfer bandwidth, all USB standard commands and Suspend/Resume detection function.
- Complies with IEEE 802.3 10BaseT and 802.3u 100BaseTX standards.
- Automatically negotiates 10 or 100Mbps connection rate, depending on speed of the network.

(2) Technical Specification

- USB Standards :
USB Specification 1.1
- Ethernet Standards :
IEEE 802.3 and 802.3u
- Connectors : RJ45 x 1,USB Type B x 1
- LED : 10/100Mbps , Link/Activity
- Driver Support :
NDIS - Microsoft Windows 95/98,2000
- Dimensions : 80mm x 46mm x 21mm
- Weight : 50g
- Temperature : 0 to 50°C (Oper.)
- Humidity : 10% to 90%
- Certification : FCC, CE Mark

3.Installation

The diskette that comes with the package contains the device drivers of this USB Fast Ethernet Adapter. The hardware and software drivers installation are described as following,

(1) Hardware Installation

Step1. Connect the RJ-45 connector of the USB Adapter to the 10/100Mbps Hub/Switch of your LAN by using a twisted-pair cable. (maximum length 100 meters). Use Category 3, 4 or 5 cable for 10 Mbps Ethernet and Category 5 cable for 100 Mbps Fast Ethernet.

Step2. Connect the USB Type B connector of the USB Adapter and your PC's or USB Hub's USB Type A connector by using the standard USB Cable (max length 5m)

(2) Software Installation

The drivers and utilities are supplied by the diskette included in this package.

Before Installing the Device Driver

Before you go on installing this USB device driver, you must first make sure that the USB controller device of your computer has been properly detected and configured under Windows 95/98. Also make sure that the USB port is enabled. Check the user's manual of your computer for more information on how to use the USB port.

1. Start Windows 95/98. Click Start, Control Panel, System.
2. Click Device Manager, and browse the device list. Check if there is the "Universal serial bus controller" device.
3. If the "Universal Serial bus controller" device is not present in the system Properties, then you might need to install the USB Supplement driver from Windows 95 OSR2.1. The file "USBSUPP.EXE" is included inside the Windows 95 OSR2.1 installation CD. Contact your computer dealer for assistance. For Windows 98, you do not need to install this supplement program, as this is included inside Windows 98 and will be automatically installed when detected.

Driver Installation

1. Connect the USB Ethernet Adapter to the PC
2. Connect the USB Ethernet Adapter to your network's hub or switch.
3. The New Hardware Wizard displays.
4. When prompted for the installation medium, check Floppy Disk Drive and insert the software driver diskette.
5. Follow displayed instructions.
6. You will observe several loading status windows.
7. When prompted to restart the PC, remove the driver diskette and click Yes.

4. Trouble-Shooting

If you experience any problems with this Adapter, first make sure the appropriate driver is loaded, the proper cable is connected to the adapter and the hub complies with the adapter specification, then check the LED.

This adapter provides two LEDs to indicate network status.

(1) 10M/100M

This LED indicates the connection speed of the USB Ethernet Adapter. When the Light is OFF, it indicates that the 10Mbps UTP connection is established. When the Light is ON, it indicates that the 100Mbps Fast Ethernet connection is established.

(2) Link/Activity

The Link/Activity LED indicates that the 10/100Mbps UTP connection has been LINK OK or not. When the light is OFF, it indicates that the 10/100Mbps port has not been connected or LINK not OK. When the light is ON, it indicates that the 10/10Mbps port connect OK. When the light is Blinking, it indicates that there is traffic flow on the network which the adapter is connected to.