

USB 2.0 to GigaLAN Adapter

User's Manual

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1. Introduction

This USB 2.0 to GigaLAN adapter is a Hi-Speed USB 2.0 10/100/1000 Gigabit Ethernet Adapter. It enables low cost and affordable Gigabit Ethernet network connection to desktop, notebook PC and embedded system using popular USB ports. This Adapter provides a standard RJ-45 connector for a quick and simple method of connecting to an Ethernet based LAN via network hub or switch. The built-in USB 2.0 cable connects directly to your computer or notebook PC.

Features

- Supports 10/100/1000 Mbps auto-sensing capability
 - Supports Auto MDIX (straight and cross network cable auto-detection)
 - USB specification 1.0, 1.1 and 2.0 compliant
 - Supports USB full and high speed modes with bus power capability
 - IEEE 802.3, 802.3u, and 802.3ab (10Base-T, 100Base-TX, and 1000Base-T) compatible
 - Supports both full-duplex and half-duplex operation in Fast Ethernet
 - Supports Jumbo packet of up to 9KB
 - Supports suspend mode and remote wakeup via link-up and magic packet
- Plug and Play Installation

Package Contents

Before installation, please check the items of the package.

USB 2.0 to GigaLAN Adapter	x1
Driver CD-ROM	x1
User's Manual	x1

System

Pentium III 800MHz or faster PC with USB port
256 MB RAM or more
Windows 98SE/ME/2000/XP/Vista

LED Indicators

LED	Color	Status	Description
USB Link	RED	Off	Link is not established.
		On	Link is established.
		Blinking	There is traffic flow over the
Giga Mode	RED	Off	Link is not established Link to 10/100Mbps network
		On	Link to Giga Mode network
RX	RED	Off	There is no traffic flow over the network.
		Blinking	There is traffic flow over the network

2. Installation

Installation

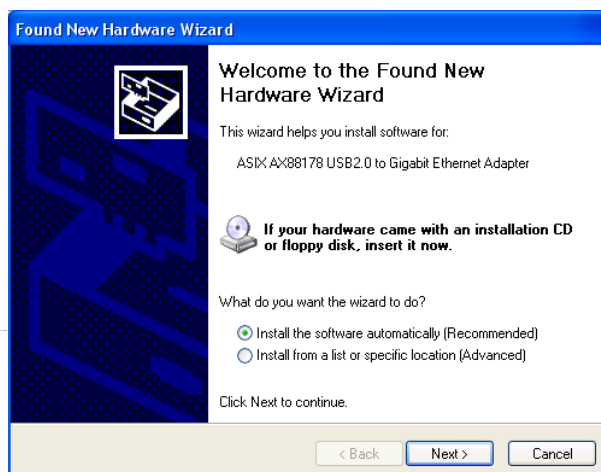
1. Insert the provided CD into your CD-ROM
2. Connect the GigaLAN adapter's USB end to a free USB port of your computer. At this stage, different situations may occur according to your operation system. Follow the instructions below to complete the installation.

Windows XP

- 1 When the **Found New Hardware Wizard** screen appears, select **No, not this time** and click **Next**.



2. Select **Install from a list or specific location (Advanced)** and click **Next**.

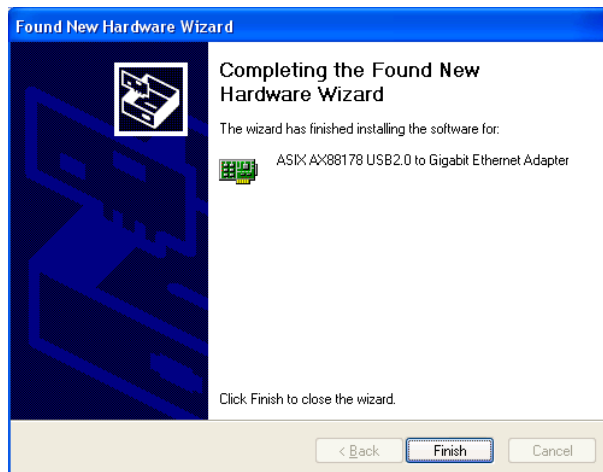


Select the location where your CD-ROM is, (i.e. D : \ or E : \). Then choose the driver for your system.

- 3.. If compatibility message appears, just click **Continue Anyway**.

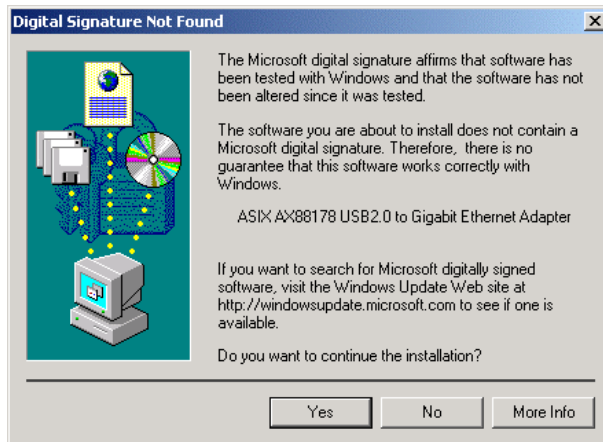


4. Click **Finish** to complete the installation.



Windows 2000

If **Digital Signature Not Found** window appears, just click **Yes**.

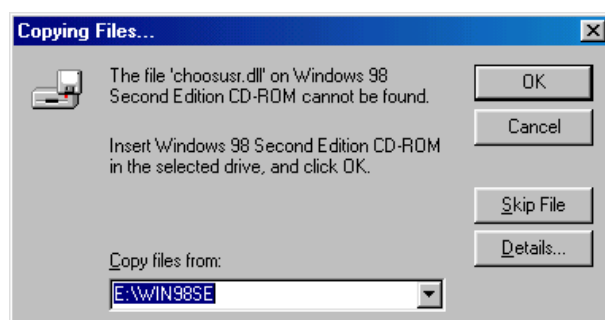
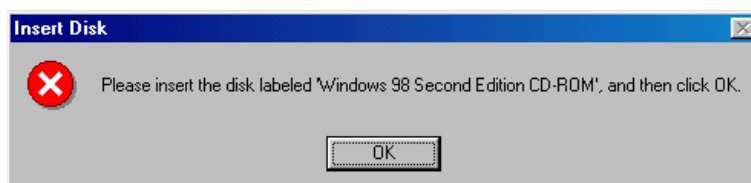


Windows ME

Just wait the system to complete the installation.

Windows 98SE

Upon your USB device connection, if the system prompts you for the Windows 98SE CD-ROM, click **OK**. Remove the provided CD and insert the Windows 98SE CD-ROM. Then click **OK** again.

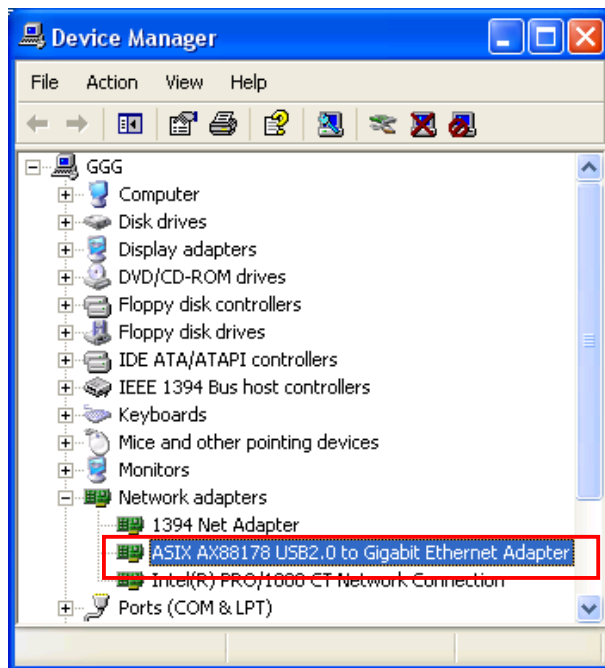


Important: Once the above copying files process is done, you must manually restart your computer to ensure the complete installation. Otherwise some services are not yet installed and the network adapter will not function properly.

Verifying the Driver Installation in Windows

To verify your Ethernet adapter installation, select **Control Panel > System > (Hardware) > Device Manager**. In the **Network adapters** group, a string similar to **USB2.0 to Gigabit Ethernet Adapter** should be displayed.

If there is a question or exclamation mark next to that item, then the driver is not properly installed. Please delete the item and repeat the installation steps.

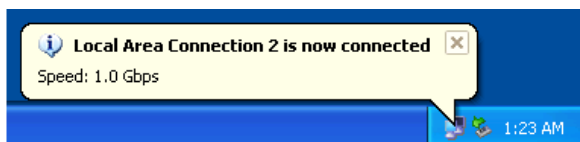


*This example screenshot is taken from Windows

Connecting to a Network

Now you can connect your network to the device's LAN port. The LAN port supports Auto-MDIX feature. It eliminates the need to use crossover cables.

Upon your connection, a message pops up in the notification area indicating your connection speed.



The adapter's AutoSense feature can automatically detect the network's maximum line speed. To have a 1000Mbps connection, your network device (e.g., switch, router or DSL modem) must also support 1000Mbps.

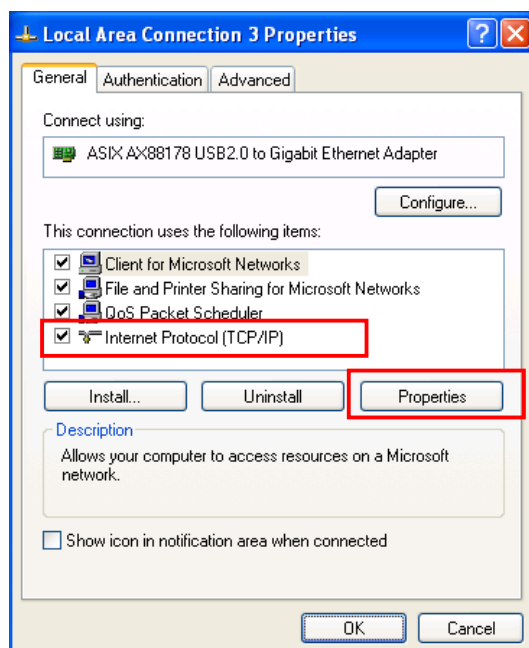
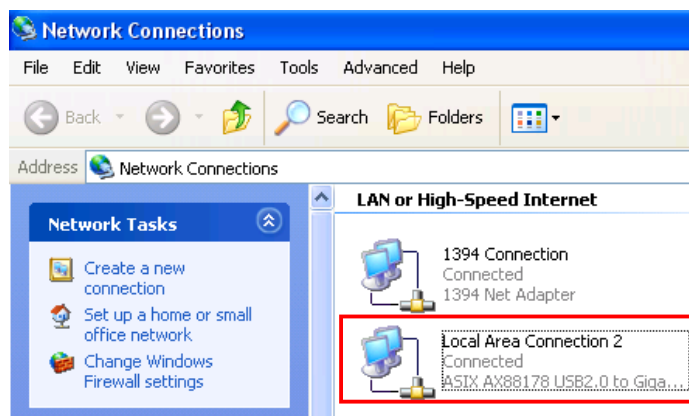
Configuring Network Settings

You should configure your Ethernet adapter as required according to your network environment. If you are unsure about the settings, consult your network administrator for assistance. The following describes how to launch the network settings window for your Ethernet adapter.

Windows XP/2000

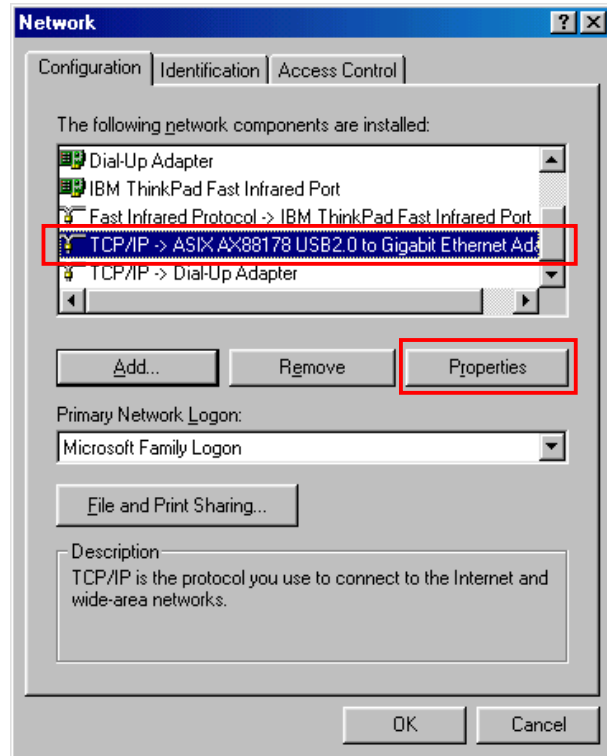
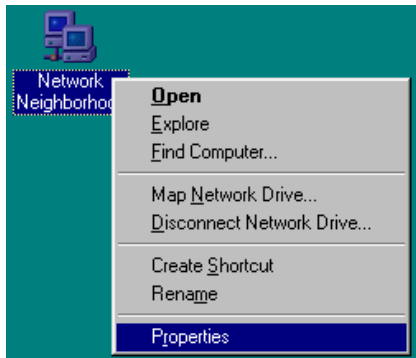
After the installation, a local area connection icon is automatically created for your Ethernet adapter in the **Network Connections** folder. You can access **Network Connections** folder by selecting Start > Settings > Control Panel > Network and Internet Connections.

In the **Network Connections** folder, double-click the connection icon for your adapter. Then the **Local Area Connection Properties** window appears.



Windows ME/98SE

Right-click the **Network Neighborhood** icon on the desktop and select **Properties**. Then the **Network** window appears.



3. Specifications

Network Standards	IEEE 802.3, 802.3u, and 802.3ab
Data Bus	USB
LED Indicators	USB Link, Giga Mode, RX
Power	Integrates on-chip 3.3V to 2.5V voltage regulator and requires only single power supply: 3.3V
Network Interface	Female RJ45 jack supporting Auto MDIX
Full Duplex	10BaseT, 100BaseTx, 1000BaseT
Half Duplex	10BaseT, 100BaseTx
RAM	Embedded 20KB SRAM for RX packet buffering and 20KB SRAM for TX packet buffering
Operating Temperature	0°C to 70°C
Operating System Support	Windows 98SE, ME, 2000, XP, Vista
Certification	FCC, CE

* Specification is subject to change without further notice.

4. Certifications

This equipment has been tested and found to comply with FCC and CE Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received. Including interference that may cause undesired operation.

WEEE Information

For EU (European Union) member users:

According to the WEEE Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

