Gigabit PCI LAN Card RC400-LX
User Manual

Features and Benefits

● Integrated 10/100/1000 transceiver

● Supports PCI 2.2, 32 bit bus, 33/66MHz

● Fully compliant with IEEE 802.3 (10Base-T Ethernet), IEEE 802.3u
  (100Base-TX Fast Ethernet), IEEE 802.3z (1000Base-T Gigabit
  Ethernet)

● Supports Ethernet 10Mbps (half-duplex), Ethernet 20Mbps
  (full-duplex), Fast Ethernet 100Mbps (half-duplex), Fast Ethernet
  200Mbps (full-duplex), Gigabit 1000Mbps (full-duplex) and Gigabit
  2000Mbps (full-duplex)

● LEDs indicator for 1000Link/Activity(green) and
  100Link/Activity(green)

● Crossover Detection & Auto-Correction

● Support Windows® 2000, XP/2003 32/64 bit, Vista 32/64 bit

Package Contents

● 1 x Gigabit Ethernet PCI Card

● 1 x User Manual

● 1 x Driver CD

System Requirements

● Windows® 2000, XP/2003 32/64 bit, Vista 32/64 bit

● Pentium or equivalent PC with an available PCI slot

● CAT5/CAT5E/CAT6 UTP/STP cable

Hardware Installation

Follow the instruction given below to install the Gigabit Ethernet PCI Card.

1. Turn your computer off and remove the power plug from the plug socket.
2. Remove the cover from the computer case.
3. Remove the metal cover plate on the rear of a free PCI slot.
4. Insert the card into one free PCI slot and screw it firmly on the bracket side.
5. Place the cover back onto the computer.
6. Insert the plug into plug socket.

Driver Installation

For Windows® 2000/XP/Server 2003

Once the Windows® 2000, XP and Server 2003 startup. Gigabit Ethernet PCI Card will be detected by system. Following is the procedures for installing Gigabit Ethernet PCI Card driver under Windows® XP Service Pack 2 operating system.

1. When **Found New Hardware Wizard** Window pop-up, please click **"Cancel"** button to cancel the driver installation for the device at this moment. The driver for this device will be installed in the next step.
2. Please insert the CD driver bound with Gigabit Ethernet PCI Card into your CD-ROM Drive.
3. At the Windows desktop click **Start**, then **Run**.
4. Type **D:\ RC400-LX \Setup.exe**, then click **OK**. (Change **D:** to match your CD-ROM drive letter)
5. Follow the on-screen instructions to complete the installation.
6. Restart Windows to complete the installation.

For Windows® Vista

In Windows® Vista, when the system is booted up it automatically detects the Gigabit Ethernet PCI Card and install the Gigabit Ethernet PCI Card with in-build drivers. Following is the procedures for upgrading Gigabit Ethernet PCI Card driver under Windows® Vista operating system.

1. Please insert the CD driver bound with Gigabit Ethernet PCI Card into your CD-ROM Drive.
2. At the Windows desktop click **Start**, then **Run**.
3. Type **D:\ RC400-LX \setup.exe**, then click **OK**. (Change **D:** to match your CD-ROM drive letter)
4. Follow the on-screen instructions to complete the instructions to complete the installation to complete the installation.
5. Restart Windows to complete the installation.

Verify Driver Installation

Click on the **"Device Manager"** tab in System Properties, which you access from the Windows Control Panel. You should see a **"Realtek RTL8169/8110 Family Gigabit Ethernet NIC"** (Windows® 2000/XP/Server 2003) or a **"Realtek RTL8169/8110 Family PCI Gigabit Ethernet NIC (NDIS 6.0)"** (Windows® Vista) installed under **"Network adapters"** item.

    START > Control Panel > System > Device Manager

Network adapters
    Realtek RTL8169/8110 Family Gigabit Ethernet NIC

Networking Settings

1. Click **"Network Connection"** in Control Panel to set your network settings.

2. Right-click the **Local Area Connection** used by the Gigabit Ethernet PCI Card, then select **"Properties"** from the pop-up menu.

3. Double-click the **"Internet Protocol (TCP/IP)"** item to set network settings.

4. Right-click the **Local Area Connection** used by the Gigabit Ethernet PCI Card, then select **"Status"** from the pop-up menu. You can affirm network status.

Troubleshooting

The computer can not detect the Gigabit Ethernet PCI Card

1. Make sure that the Gigabit Ethernet PCI card is correctly plugged into the PCI slot; if not, turn off the computer and plug it again.

2. If the Gigabit Ethernet PCI card is plugged in correctly, see if the golden connectors on the card are clean; if not, clean the connector surface.

3. If still not, please change another PCI slot on your motherboard.

4. Please upgrade your motherboard BIOS to the latest version. If it sill not work, contact your motherboard vendor asking the advanced supporting for BIOS updated.

5. The board itself might be defective. You can try another motherboard testing Gigabit Ethernet PCI card working or not.

Computer failed to start after inserting Gigabit Ethernet PCI Card

Turn off the computer, remove the Gigabit Ethernet PCI card, and try to restart the computer. If the computer starts successfully, it means that

this card has not been inserted into the PCI slot correctly. Please insert the card firmly into the PCI slot or try another slot.

How to deal with an exclamation point on Ethernet Host controller

1. Please shutdown your computer and move the card to another available slot then re-install Gigabit Ethernet PCI Card driver again.
2. Please point on this device then right-check on the mouse.
3. This exclamation point usually means there is a resource conflict between the Gigabit Ethernet PCI Card and another card in your system. Please move the card to another available slot. Restart your computer. Windows will then re-configure itself and re-assign resources. Check your device manager again. If the exclamation point is still there then repeat the process until it no longer appears.

I can not use Gigabit Ethernet transfer speed

1. Please affirm your Ethernet environment supporting Gigabit structure.
2. Please use CAT6 UTP/STP cable.

How to configure 10/100/1000Mbps Ethernet structure

Connect 10/100/1000Mbps Ethernet over unshielded twisted pair (UTP) cable. Gigabit Ethernet PCI card has the ability of automatic sensing and operating on either speed without manual reconfiguration.

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