

INTRODUCTION

The Gigabit Ethernet ExpressCard Adapter adds an RJ45 Gigabit LAN port to your Laptop or Notebook system via the ExpressCard slot. This ExpressCard adapter is fully compliant with IEEE 802.3 (10Base-T Ethernet), IEEE 802.3u (100Base-TX Fast Ethernet), IEEE 802.3ab (1000Base-T Gigabit Ethernet) networking.

FEATURES AND SPECIFICATION

- Based on Realtek RTL8111D Gigabit Ethernet Controller
- 1-Lane 2.5Gbps full-duplex ExpressCard/34 host interface
- Compliant with PCI-Express Revision 1.1
- One RJ45 port offering high speed transmission over CAT-5 UTP cable
- LED indicators for various network activities: Green=LINK/ACT, Yellow=1000M
- Backward compatible with 10/100BASE-T networking
- 10/100/1000Mbps data rate auto negotiation operation
- Compliant with Microsoft® NDIS5, NDIS6 (IPv4, IPv6, TCP, UDP) checksum offload, large send and giant send offload features
- Supports full duplex flow control (IEEE 802.3x)
- Fully compliant with IEEE 802.3, 802.3u, 802.3ab
- Supports IEEE 802.1P Layer 2 Priority Encoding
- Supports IEEE 802.1Q VLAN tagging
- Supports jumbo frame to 9K bytes
- Crossover Detection and Auto Correction operation
- Hot-plug capability
- Supports Microsoft Windows 98SE, ME, 2000, XP 32/64-bit, Server 2003 32/64-bit, Vista 32/64-bit, Server 2008 32/64-bit, Windows 7 32/64-bit, SCO Unix, Linux, FreeBSD, Novell, DOS and Mac OS X 10.4.x or above

PACKAGE CONTENTS

Please check whether the package contains the following items. If any item is missing or damaged, please contact the retailer as soon as possible:

- Gigabit Ethernet ExpressCard adapter x 1
- User manual x 1
- Driver CD x 1

HARDWARE & SOFTWARE INSTALLATION

WARNING

Before installing and activating the controller card, please make sure you have a complete backup of your existing data from hard drives. Manufacturer is not responsible for data loss due to abuse, misuse, or neglect. Should you have any installation problem, please contact your dealer for assistance.

Before Installation

Before the installation of the controller card, let us make the following assumptions:

1. The end users must have the basic knowledge of installing an ExpressCard adapter and its software driver to a computer. If they are not sure about their abilities or have any queries, please call their local dealers immediately, or find somebody who are experienced and qualified for assistance.
2. The computer has been properly installed with a supported operating system.

Installing the ExpressCard Adapter into the Computer

1. The ExpressCard adapter is capable of hot-plug, so you don't need to turn off the power of your laptop or notebook computer before installation.
2. Insert the ExpressCard adapter to the ExpressCard slot on your computer.

Installing Windows Driver

1. Turn on the computer.
2. Once Windows is running, a new network controller card is detected.
3. If the Windows asks for driver for the network controller card, then insert Driver CD into the optical drive (Assume the optical drive letter is **D:**).
4. Browse to the following path (Assume the Windows OS used is Windows 7)
D:\Realtek\RTL8111\Windows 7
5. Execute "setup.exe" to install the driver.
6. Follow the on screen instructions until the driver is totally installed.

Checking the status of the installed driver

1. Right click on the icon of **My Computer** and choose **Properties**
2. Choose **Device Manager**
3. Left click on the "+" sign of the **Network Adapters**
4. The following device should be shown:
Realtek PCIe GBE Family Controller
5. Right click on the device above and choose **Properties**
6. Check the **Device status** in the **General** window. The following should be shown:
This device is working properly

Installing Driver for Other Operating Systems

Please refer to the installation documents in the relevant folder on the Driver CD to install driver. To obtain the latest drivers, please refer to the **Updating Drivers** section below.

Notice

When the device driver is properly installed, there will not be any question and exclamation mark shown against this device. If yes, check the following:

1. The driver for the network controller card is installed straightly according to the procedure listed above:
2. If an older version driver is installed previously?
3. The driver for a similar product is installed?
4. In the worst case, the network controller card is defective. Please contact your local dealer or distributor immediately.

GETTING THE LATEST DRIVER, SOFTWARE & DOCUMENT

1. Visit <http://www.drivers-download.com>
2. In “**Drivers Search**” section, enter the Download code (DL code): **DL-0263213** to search for the latest driver, software and document.

Or you can download the latest driver from Realtek website:

1. Visit <http://www.realtek.com>
2. Select “**Downloads**”
3. Select “**Communications Network ICs**”
4. Select “**Network Interface Controllers**”
5. Select “**10/100/1000M Gigabit Ethernet**”
6. Select “**PCI-Express**”
7. Select “**Software**”
8. The final page shows all the available software for RTL8111x
9. Select and download your desired operating system driver

*All contents and specification mentioned in this manual are subject to change without prior notice
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