MiniPCIe RTL8111H Dual-RJ45 Gigabit Ethernet Card



P/N.: MC-M.2-B+M-8111H-Q

USER Manual

EN ver2.0

Description

This Mini PCIe RTL8111H Dual-Port Gigabit Network card is a hight performance 10/100/1000 BASE-T Ethernet LAN controller, it support compliant with the IEEE802.3u specification for 10/100Mbps Ethernet and the IEEE802.3ab specification for 1000Mbps Ethernet, it also supports an auxiliary power auto-detect function, and will auto-configure related bits of the PCI power management registers in PCI configuration space.

Specification

- Support existing CAT-5 UTP cabling with automatic crossover detection
- Fully compliant with PCI-Express Base Specification Revision1.1
- Single-Lane(x1)PCI-Express with throughput up to 2.5Gbps
- Compatible with PCI-E MINI Card Electromechanical specification revision1.2
- Compatible with Full size MINI card type form factor
- Fully Plug and Play compatible
- Support Dual-Port Network
- A high performance 1000BASE-T Ethernet controller card
- Backwards compatible to 10/100BASE-T networking
- 10/100/1000Mbps data rate auto negotiation operation
- Fully compliant with IEEE802.3, 802.3u,and 802.3ab
- Support full duplex flow control(IEEE802.3x)
- Support IEEE802.1P Layer 2 Priority Encoding
- Support IEEE802.Q VLAN tagging
- Support jumbo frame to 9K bytes
- Crossover Detection and Auto Correction operation
- Chipset: RTL8111H+ASM1182e

Package content

- 1 x Mini PCIe Intel RTL8111F-Main Board
- 2 x RJ45 port-Daughter Board
- 2 x 12-Pin network cable
- 1 x CD

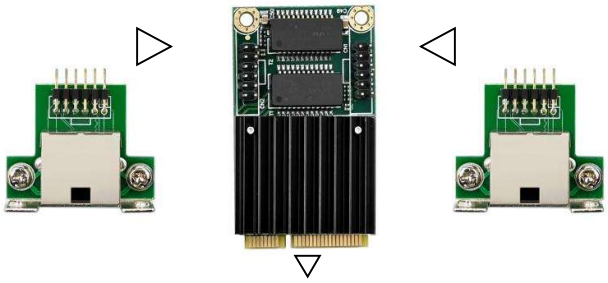
- 1 x Low profile bracket

System Requirements

- WindowsME,98SE,2000,XP Vista,7,8 and 10 32/64bit
- Windows server2003,2008,and 2012 32/64bit
- Linux,DOS ,MAC OS X10.4.X or above
- One available MINI PCIe slot

Hardware installation

1. Turn off your computer and all external devices connected to it.
2. Open the computer case. Refer to your computer user manual for more details
3. Find an available Mini PCIe slot and remove the slot bracket, Save the bracket screw for later use.
4. Insert the main card to the Mini PCIe slot firmly and evenly ,Take care not to force it into the slot. Once you have properly positioned the main card into the slot, secure it with the screw you have just saved.
5. Connect the network cable and LED cable between the main card and the daughter card. The orientation of the cable socket must be same as the header which are shown as below:



The cable socket should always be inserted onto the header with the same orientation and the triangle ark on the PCB showing Pin 1 of the cable and the header.

6. Find an empty expansion slot on the back panel of the computer case and remove the metal bracket. Save the bracket for later use.
7. Place the bracket of the daughter card on the expansion slot on the back panel

and secure it with the bracket screw you have just saved.

8. Connect the system to network by inserting the CAT-5 or above cable into RJ45 Port on the daughter card.
9. Secure the computer case and switch on your computer.

Install Drivers

Windows○,R Operating Systems

1. Please insert the CD driver bound into your CD-ROM Drive.
2. At the Windows desktop, click Start, Run.

3. 1 For Windows® WIN98SE,WinME

Type “ **RTL8168,RTL8111C,RTL8111E\Windows\WIN98SE,WINME\PCIE_Install_5708_1119\setup.exe**”, Double click it.

3. 2 For Windows® WIN2K, XP, Server 2003 (32/64 bit)

Type “ **RTL8168,RTL8111C,RTL8111E\Windows\WIN2K,XP,2003\PCIE_Install_5790_11182011\setup.exe**”, Double click it.

3. 3 For Windows® Vista, WIN2008 (32/64 bit)

Type “ **RTL8168,RTL8111C,RTL8111E\Windows\VISTA,WIN2008\Install_Vista_6250_11182011\setup.exe**”, Double click it.

3.4 For Windows® Win7, WIN2008 (32/64 bit)

Type “ **RTL8168,RTL8111C,RTL8111E\Windows\WIN7,WIN2008\Install_Win7_7049_11182011\setup.exe**”, Double click it.

3.5 For Windows® Win8, Win8.1 (32/64 bit)

Type “ **RTL8168,RTL8111C,RTL8111E\Windows\Win8,Win8.1\Install_Win8_8.1_8020_09182013\setup.exe**”, Double click it.

3.6 For Windows® Win10 (32/64 bit)

Type “ **RTL8168,RTL8111C,RTL8111E\Windows\Win10\Install_Win10_10003_08202015\setup.exe** ”, Double click it.

4. Follow the on-screen instructions to complete the installation.

Support

More information and settings, please refer to the Adapter User Guides or you can contact us.