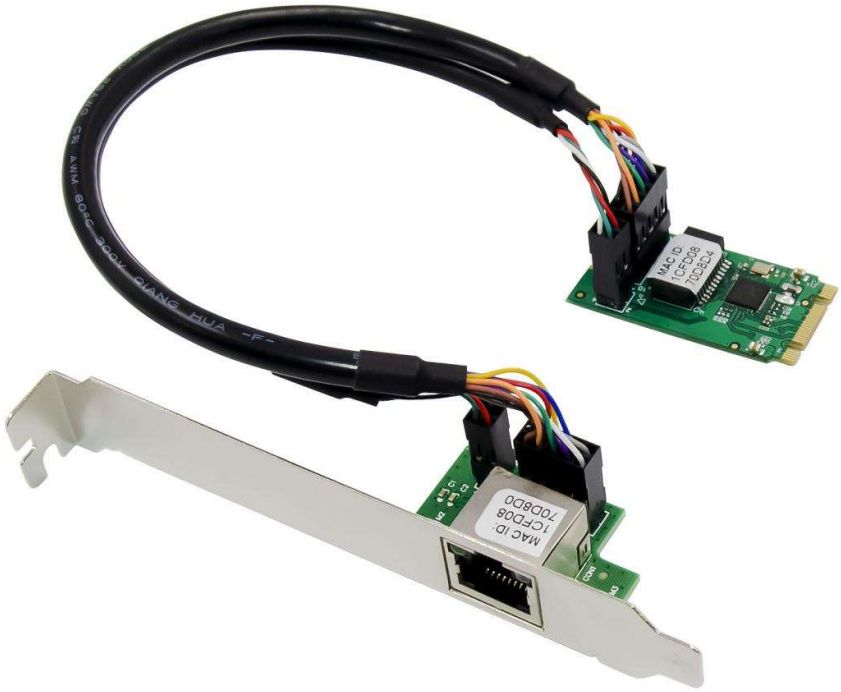
M.2 B+M RTL8111F Single-Port Gigabit Ethernet NIC



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

USER Manual

EN ver2.0

Description

M. 2 B+M RTL8111F Gigabit Ethernet adapter supports 10/100/1000 Mbps full duplex/half duplex adaptive network. It supports the transmission of gigabit ultra long frames and can provide bidirectional data transmission up to 1000Mbps.
It can be used to realize gigabit network on the desktop and improve network performance. Backwards compatible with 10/100BASE-T systems, so you can easily connect to almost any existing network via Cat-5 cables. It is applicable to multiple market segments and emerging applications, such as desktops, workstations, servers, communication platforms and embedded applications.

Specification

Compliant with PCI Express specification Revision 3.1(5GT/s)

Compliant with M.2 Key B+M NGFF card Electromechanical Specification

Compatible with M.2 Key B/M(2242) card Electromechanical Specification

MDI(Copper) standard IEEE802.3 Ethernet interface up to 2.5Gb/s

Built in 10/100/1000m transceiver

High performance 1000Base-T Ethernet card controller

Backward compatible 10/100BASE-T

network 10/100/1000Mbps data transmission speed automatic operation matching

Compatible with existing Cat-5 UTP cables

Fully compatible with IEEE802.3, IEEE802.3u, IEEE802.3ab

Support half duplex mode and 802.3x flow control

Support IEEE802.1P Layer2 priority encoding

Support IEEE 802.1Q VLAN tag

Support transmit/receive buffer on chip

Support 9K byte jumbo frames

Cross detection and automatic operation correction

Support power failure/energy saving

Support Wake on LAN and Remote Wake up

Supports standard and low-end chassis

1-port RJ45 Gigabit LAN

Chipset: Realtek RTL8111F

Package content

- 1 x M.2 B+M RTL8111F-Main
- 1 x Network Cable
- 1 x CD
- 1 x Low profile bracket
- ~~Accessories~~

System Requirements

Linux ,DOS, Win 7/Win 8/Server 2008/Win 8.1/Server 2012/2016, Win 10 32-64 bit

M.2 B+M key slot on the motherboard

Size: 22 x 42mm

Material: PCB

Color: Green

Hardware installation

1. Turn off the computer and unplug the power cord
2. Remove the computer cover and the adapter slot cover from the slot that matches your adapter
3. Insert the adapter edge connector into the slot and secure the bracket to the chassis
4. Replace the computer cover ,then plug in the power cord
5. Power on the 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_1118 2011\setup.exe**”, Double click it.

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

Type

“**RTL8168,RTL8111C,RTL8111E\Windows\VISTA,WIN2008\Install_Vista_6250_1118 2011\setup.exe**”, Double click it.

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

Type

“ **RTL8168,RTL8111C,RTL8111E\Windows\WIN7,WIN2008\Install_Win7_7049_111 82011\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_09 182013\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.