

GigaLAN 1000BASE-T Ethernet PCIe x1 M.2 A-E Key Module

1. Introduction

Add PCIe x1 High-Speed 1000 /100 /10 Mbps BASE-T RJ-45 Ethernet Gigabit LAN through your IPC M.2 E Key or A Key slot!

1.1. Features

- M.2 NGFF type 2260-xx-A-E 75Pin Dual A-E Key LAN module
- [Support M.2 type 2230 and 2260 plated-holes](#)
- Fully compliant with IEEE 802.3 (10Base-T Ethernet), IEEE 802.3u (100Base-TX Fast Ethernet), IEEE 802.3z (1000Base-T Gigabit Ethernet)
- Compliant with PCI Express Specification, revision 1.0a
- [PCI Express 1-Lane host interface](#)
- RJ-45 Port offer high speed transmission over CAT 5 UTP cable
- 2 LEDs indicate for various network activities (1000 and LNK/ACT)
- Auto-Negotiation with Next page capability
- Supports pair swap/polarity/skew correction
- Crossover Detection & Auto-Correction
- Microsoft® NDIS5 Checksum Offload (IP, TCP, UDP) and largesend offload support
- Supports Full Duplex flow control (IEEE 802.3x)
- Supports IEEE 802.1Q VLAN tagging
- Jumbo Frame sizes 9K bytes
- Configurable 48KB deep Buffer support
- Provides driver for 32/64 bit Windows 10, 8.1, 8, 2012, Win7, 2008, Vista, XP, 2003 and Mac OS X 10.4, 10.5, 10.6, 10.7

2. Installation

2.1. Hardware installation

1. Plug Gigabit LAN M.2 module into motherboard M.2 A Key or E Key socket
2. Connect the RJ-45 cable / plug.
3. Check the Link LED in M.2 module if the cable is connected correctly

2.2. Software Installation

1. During OS boot up, Windows will display the Found New Hardware Wizard, “**Ethernet**



controller”.

2. Skip the driver installation.
3. Run the installer Setup.exe which is in Driver CD E:\ 1000_GigaNet\
\RTL8168\DRIVER\windows to have the latest driver for 64bit/32bit Windows