

2.5 GbE BASE-T M.2 B-M Key Ethernet Module (Right Angle RJ-45)

1. Introduction

Add High-Speed 2500 /1000 /100 /10 Mbps 2.5 GbE BASE-T RJ-45 Ethernet Gigabit LAN through your IPC M.2 B Key or M Key slot!

1.1. Features

- PCIe base M.2 type 2280-D5-B-M Dual B-M Key notch 75Pin 80mm 2.5Gigabit LAN module
- Work with main board M.2 B Key Socket and M.2 M Key Socket
- Fully compliant with 10BASE-Te, 100BASE-TX, 1000BASE-T and 2500BASE-T 802.3 specifications
- Compliant with PCI Express Gen 2 version 3.1
- Intel I225 2.5G Ethernet Controller
- RJ-45 Port offer high speed transmission over CAT 5 UTP cable
- 2 LEDs indicate for various network activities (2500 and LNK/ACT)
- IEEE 802.3u auto-negotiation conformance
- Carrier extension support (half duplex)
- Half duplex operation at 10BASE-Te and 100BASE-TX
- Automatic polarity correction
- Network proxy/ARP offload
- PXE Support
- Error Correcting Memory (ECC) in packet buffers
- UDP and TCP Transmit Segmentation Offload (TSO)
- SCTP receive and transmit integrity offload
- Queues: 4 Tx and 4 Rx queues
- Jumbo Frame sizes 9K bytes
- OS Built-in inbox driver natively in MAC O.S 10.16.5, Linux Kernel 5.8 and beyond, Linux RHEL 8.1, 8.4, SLES 12, FREE BSD
- Intel Windows drivers on [https://www.intel.com/content/www/us/en/search.html?ws=text#sort=relevancy&layout=table&f:@tabfilter=\[Downloads\]](https://www.intel.com/content/www/us/en/search.html?ws=text#sort=relevancy&layout=table&f:@tabfilter=[Downloads])

2. Installation

2.1. Hardware installation

1. Plug 2.5 GbE Gigabit LAN M.2 module into motherboard M.2 B Key or M 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

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