# M.2 B+M Intel I225-V Single-2.5G Network card



**P/N.: SE-LGI225A-BT**

USER Manual

EN ver2.0

## Description

M.2 B+M key Intel I225 2.5G Network card adopts Intel a high performance network controller i225-V. This controller with Base-T copper networking interface, provides compact, single-port integrated multi-gigabit (up to2.5G) –MDI (Copper) standard IEEE802.3 Ethernet interface for 2500BASE-T,1000BASE-T,100BASE-TX,10BASE-TE connections, and it can also support Intel vPro〇,R technology on specific Intel platforms . It is designed for use on any mobile, desktop, workstation, value-server, or industrial designs that have critical space constraints.

## 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(2280) card Electromechanical Specification
- MDI(Copper) standard IEEE802.3 Ethernet interface up to 2.5Gb/s
- Complies with single port 1GbE RJ45 port (copper)
- Complies with the MDI standard IEEE802.3 Ethernet interface for2500BASE-T, 1000BASE-T, 100BASE-TX, 10BASE-TE application( IEEE802.3bz, IEEE802.3ab ,IEEE802.3u and IEEE802.3 )
- IEEE802.3 Auto-negotiator
- IEEE802.3x and IEEE802.3z compliant flow control support with software-controllable RX thresholds and TX pause frames
- Automatic cross-over detection function(MDI/MDI-X)
- IEEE 1588 Protocol and 802.1AS implementation
- Supporting Time Sensitive Networking(TSN) Capabilities
- Support IEEE802.3az-Energy Efficient Ethernet(EEE)
- Full Wake-On-Lan support
- TCP/UDP,IPv4 checksum offloads(Rx/Tx)
- Transmit Segmentation offloading(TSO)(IPv4,IPv6)
- Support for packets up to 9.5KB Jumbo Frames

## Package content

- 1 x M.2 I225 2.5G Network card-main card
- 1 x RJ45 network cable
- 1 x User's Manual
- 1 x CD
- 1 x Low profile bracket
- ~~Accessories~~

## System Requirements

- Microsoft Windows〇,R10 Version 1809 and later 32 or 64bit
- Linux4.20/5.x or later ,CentOS/RHEL8.1 or later,Ubuntu14.x/15.x/16.x or later
- VMware ESX/ESXi 4.x/5.x/6.x or later
- An available M.2 M KEY slot with PCI Express protocol

## 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 M.2 slot and remove the slot bracket, Save the bracket screw for later use.
4. Insert the main card to the M.2 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. Find an empty expansion slot on the back panel of the computer case and remove the metal bracket. Save the bracket for later use.
6. Place the bracket on the expansion slot on the back panel and secure it with the

bracket screw you have just saved.

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

## Install Drivers

**Windows○,R Operating Systems**

You must have administrative rights to the operating system to install the drivers.

1. insert the CD driver bound with Intel network driver into your CD-ROM drive(also you can download the latest drivers from support website):
2. if the Found New Hardware Wizard screen is displayed, click **Cancel**
3. start the autorun located in the software package, the autorun may automatically start after you have extracted files.
4. Click **install Drivers and Software**
5. Follow the instructions in the install wizard to finish it

**Installing Linux Drivers from Source Code**

1. Download and expand the base driver tar file.
2. Compile the driver module
3. Install the module using the modprobe command
4. Assign an IP address using the ifconfig command

## Support

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