

youyeetoo M.2 B+M Key

youyeetoo M.2 B+M Key Intel i226 2.5 Gigabit Ethernet NIC Instruction Manual

1. PRODUCT OVERVIEW

This manual provides instructions for the youyeetoo M.2 B+M Key Intel i226 2.5 Gigabit Ethernet Network Interface Card (NIC). This interface card is designed for use with space-constrained mobile devices, desktops, workstations, value servers, or industrial designs, particularly for youyeetoo X1 implementations requiring multiple network ports. It features an Intel i226V LAN IC, supporting PCIe Giga LAN 10/100/1000/2500M speeds through a single RJ45 interface.

The card supports various M.2 form factors including 2230, 2242, 2260, and 2280, and is compatible with M.2 B+M Key slots.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package. If any items are missing or damaged, please contact youyeetoo support.

- 1x Intel i226 2.5G M.2 Ethernet Card (20cm cable)

Pack List



1*M.2 B+MKey Intel i226 NIC

Figure 2.1: Package Contents. This image displays the M.2 B+M Key Intel i226 NIC and its associated RJ45 Ethernet module connected by a 20cm cable.

3. SETUP AND INSTALLATION

Follow these steps to properly install your youyeetoo M.2 B+M Key Intel i226 2.5 Gigabit Ethernet NIC.

3.1 Driver Installation

Important: The driver must be installed before using this product. Failure to install the driver will prevent the device from functioning correctly.

1. Download the latest drivers from the official Intel website: [intel.com/content/www/us/en/download/15084/intel-ethernet-adapter-complete-driver-pack.html](https://www.intel.com/content/www/us/en/download/15084/intel-ethernet-adapter-complete-driver-pack.html)
2. Follow the on-screen instructions to complete the driver installation.

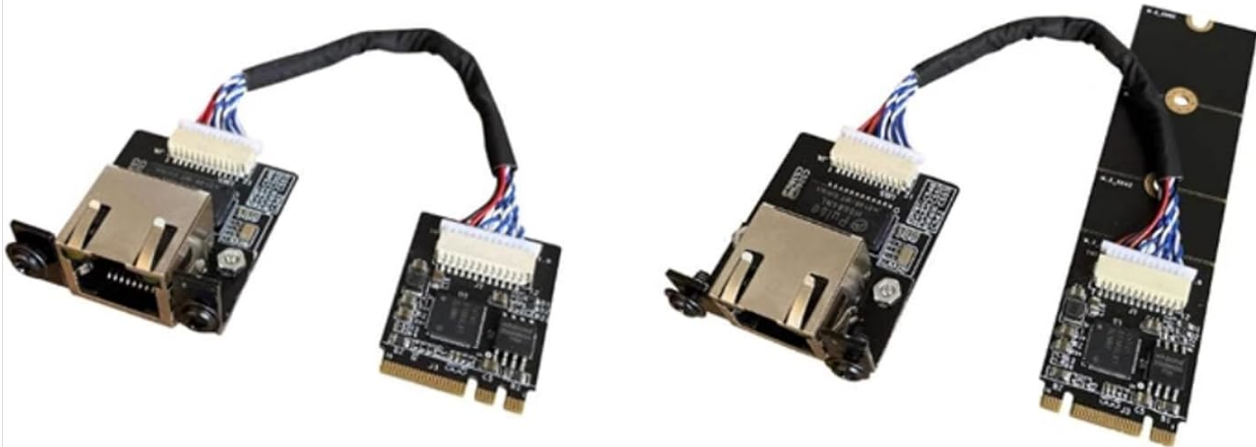
3.2 Hardware Installation

The M.2 B+M Key NIC can be installed in compatible M.2 slots on your device. Ensure your device supports the M.2 B+M Key interface.

Appearance

IIO-ELAN3 (i226V M.2 A+E KEY)

IIO-ELAN4 (i226V M.2 B+M KEY)



Functional Features

- PCIe Giga LAN 10/100/1000M
- LAN IC: Intel i226V
- 1 RJ45 Interface
- 1 mPCIe 1x Express socket (Half height or full length)/M.2 A+E Express socket(PCIe 1x)/ M.2 B+M Express socket(PCIe 1x)
- LAN Dimension: 30*23.6 mm(Half height)/ 30*50.8 mm(full length)/ 22*30 mm(M.2 A+E)/ 22*80 mm(M.2 B+M)

Figure 3.1: M.2 Card Dimensions and Mounting Points. This image illustrates the various screw hole positions (M.2-2230, M.2-2242, M.2-2260, M.2-2280) on the M.2 B+M Key card, indicating compatibility with different M.2 slot lengths.

The RJ45 interface module can be fixed using various methods depending on your chassis. Common methods include COM Port Mount, Half-High Baffle Mount, and Full Height Baffle Mount.

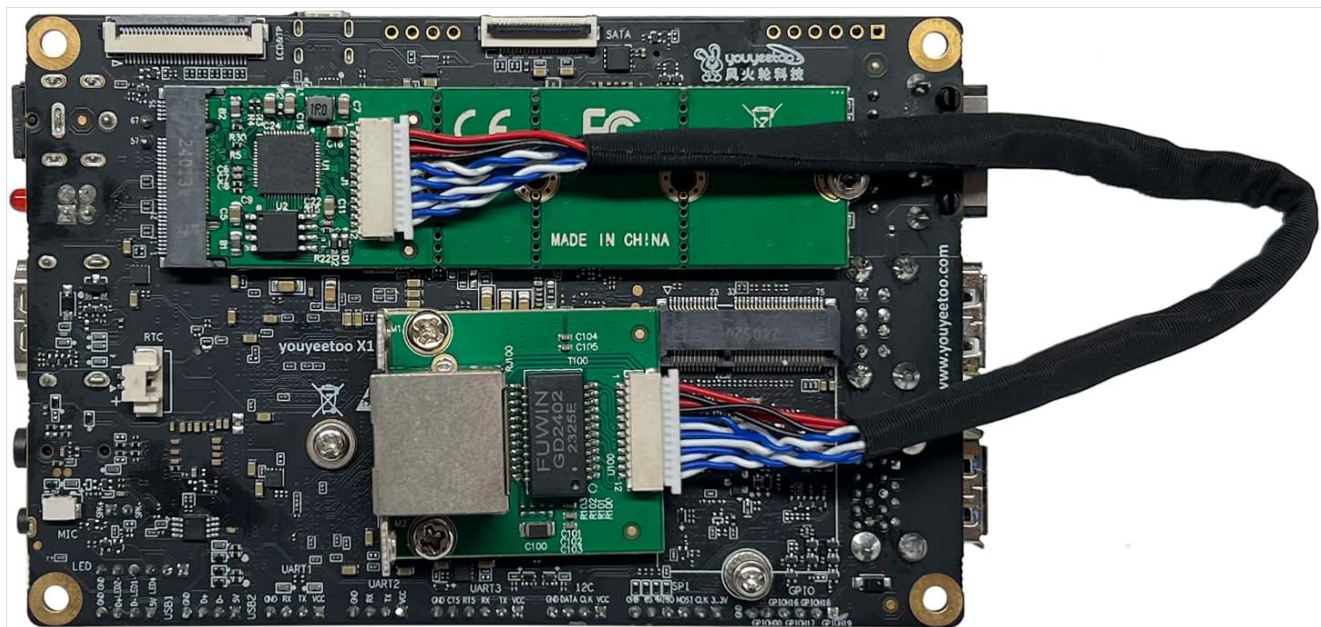


Figure 3.2: Interface Fixing Methods. This image demonstrates three ways to secure the RJ45 Ethernet port: a COM port mount, a half-height baffle mount, and a full-height baffle mount.

Note: Do not attempt to modify or break the product before confirming its normal functionality. Returns or exchanges may not be accepted for physically altered products.

4. OPERATING INSTRUCTIONS

Once the hardware is installed and drivers are successfully loaded, the youyeetoo M.2 B+M Key Intel i226 NIC will be ready for operation.

1. Connect a standard RJ45 Ethernet cable to the NIC's port.
2. Ensure your operating system recognizes the new network adapter. You can verify this in your system's Device Manager (Windows) or network settings (Linux/other OS).
3. Configure network settings (IP address, DNS, etc.) as required by your network environment.

The NIC supports data transfer rates of 10/100/1000/2500 Mbps, automatically negotiating the highest possible speed with your network equipment.

Your browser does not support the video tag.

Video 4.1: i226 NIC Speed Test. This video demonstrates the performance and speed capabilities of the Intel i226 NIC in a real-world scenario, showing client-side operations and network speed tests.

5. MAINTENANCE

The youyeetoo M.2 B+M Key Intel i226 2.5 Gigabit Ethernet NIC is designed for reliable operation and generally requires no specific user maintenance. Keep the device free from dust and moisture. Ensure proper airflow around the component if installed in a confined space.

6. TROUBLESHOOTING

If you encounter issues with your youyeetoo M.2 B+M Key Intel i226 NIC, consider the following:

- **No Network Connectivity:**
 - Verify that the drivers are correctly installed (refer to Section 3.1).

- Check the physical connection of the Ethernet cable to both the NIC and your network device (router/switch).
 - Ensure the NIC is securely seated in the M.2 slot.
 - Check your operating system's network settings for proper configuration (IP address, subnet mask, gateway).
- **Slow Network Speeds:**
 - Ensure your network infrastructure (router, switch, cables) supports 2.5 Gigabit Ethernet.
 - Update to the latest drivers from Intel.
 - Test with a different Ethernet cable.
- **Device Not Recognized:**
 - Re-seat the M.2 card in its slot.
 - Check your system's BIOS/UEFI settings to ensure the M.2 slot is enabled and configured correctly.
 - Ensure your system's M.2 slot is compatible with B+M Key cards.

Safety Warning: Exercise caution during installation and handling of electronic components. Ensure your system is powered off and unplugged before installing or removing any hardware. Improper installation or handling can lead to component damage or electrical hazards.

If issues persist, please refer to the support section for further assistance.

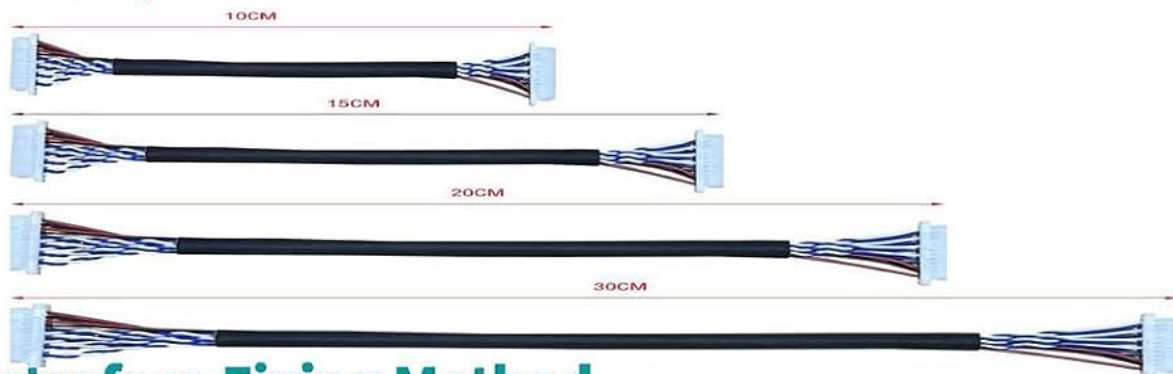
7. SPECIFICATIONS

Feature	Specification
Brand	youyeetoo
Model Number	M.2 B+M Key
LAN IC	Intel i226V
Hardware Interface	Ethernet, USB (for M.2 B+M Key standard)
Data Link Protocol	Ethernet, Gigabit Ethernet
Data Transfer Rate	2500 Megabits per second (2.5G)
RJ45 Interface	1x
M.2 Socket Compatibility	M.2 B+M Key (PCIe 1x)
Supported M.2 Lengths	2230, 2242, 2260, 2280
Product Dimensions (M.2 Card)	0.87"L x 0.87"W x 0.87"H (approx. 22mm x 22mm x 22mm)

interface definition

NIC and RJ45 Interface Board 1.0 Connector	define	NIC and RJ45 Interface Board 1.0 Connector	define	RJ45 Network Cable Interface Definition			
PIN1	GND	PIN2	LINK	PIN1	TX_D1+	PIN2	TX_D1-
PIN3	ACT	PIN4	3.3V	PIN3	RX_D2+	PIN4	BI_D3+
PIN5	BI_D4-	PIN6	BI_D4+	PIN5	BI_D3-	PIN6	Rx_D2-
PIN7	BI_D3-	PIN8	BI_D3+	PIN7	BI_D4+	PIN8	BI_D4-
PIN9	Rx_D2-	PIN10	RX_D2+				
PIN11	TX_D1-	PIN12	TX_D1+				

Wire Specification



Interface Fixing Method

COM Port Mount

Half-High Baffle Mount

Full Height Baffle Mount



RJ45 structural diagram (3D STP documentation available)

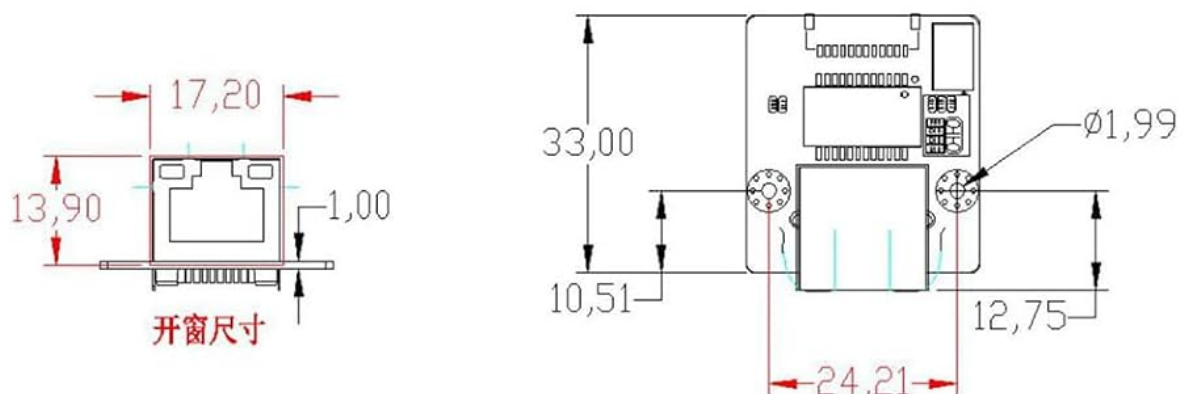


Figure 7.1: Interface Definition. This table provides a detailed pinout for the NIC and RJ45 interface board connectors, including signal names and corresponding pin numbers.

Note: Please don't break it before confirming that it can be used normally, otherwise no refund or exchange.

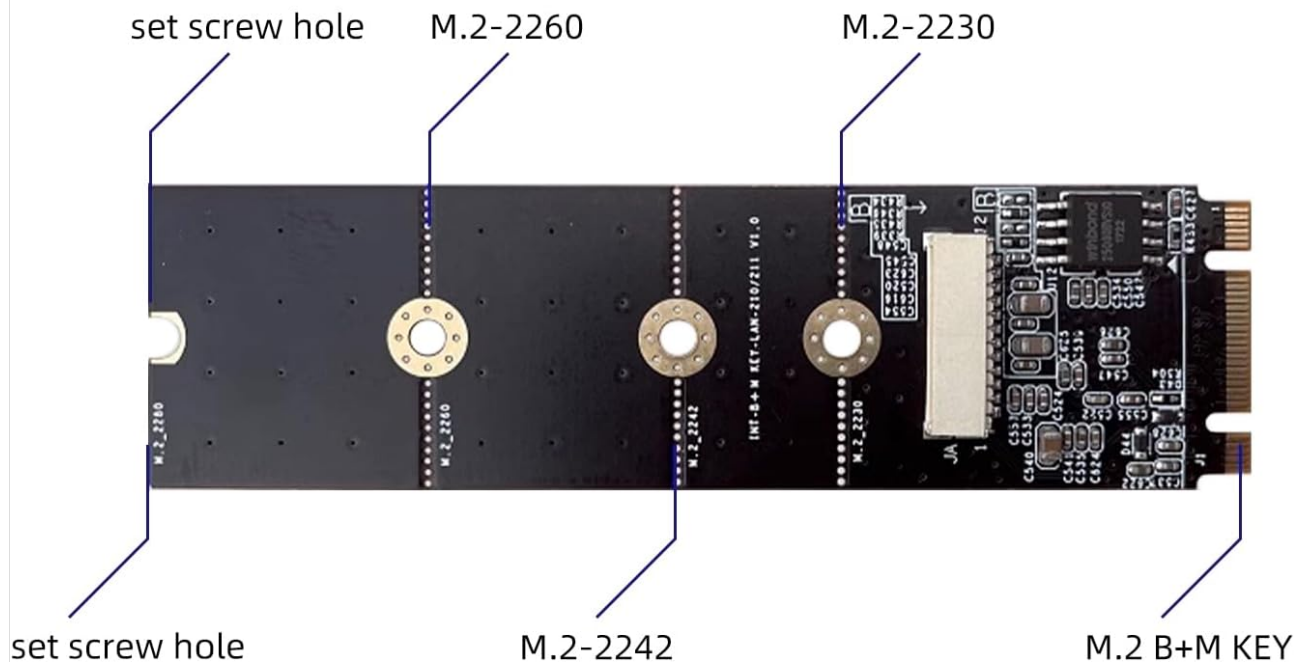


Figure 7.2: RJ45 Structural Diagram. This diagram illustrates the physical dimensions and structure of the RJ45 connector, useful for custom enclosures or mounting solutions.

8. WARRANTY INFORMATION

youyeetoo offers a return policy for new computer components purchased from Amazon.com. Products that are dead on arrival, arrive in damaged condition, or are still in unopened boxes may be returned for a refund within 30 days of purchase.

Amazon.com reserves the right to test dead on arrival returns and may impose a customer fee equal to 15 percent of the product sales price if the customer misrepresents the condition of the product. Any returned computer component that is damaged through customer misuse, is missing parts, or is in unsellable condition due to customer tampering will result in a higher restocking fee based on the product's condition.

youyeetoo will not accept returns of any desktop or notebook computer components more than 30 days after you receive the shipment. New, used, and refurbished products purchased from Marketplace vendors are subject to the returns policy of the individual vendor.

9. SUPPORT

For technical support, inquiries, or further assistance with your youyeetoo M.2 B+M Key Intel i226 2.5 Gigabit Ethernet NIC, please contact youyeetoo tech directly through the Amazon platform or visit the official youyeetoo store page.

You can typically find contact information by clicking on the 'youyeetoo' brand name on the product page or by navigating to the 'youyeetoo tech' seller profile on Amazon.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question