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› Diyeeni 4G LTE Module Card (Model: Diyeeni0gh1c5nb9y) - Instruction Manual

Diyeeni Diyeeni0gh1c5nb9y

Diyeeni 4G LTE Module Card Instruction Manual

Model: Diyeeni0gh1c5nb9y

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Diyeeni 4G LTE Module Card, Model Diyeeni0gh1c5nb9y. This high-performance network card is designed to deliver fast and stable internet connectivity across various devices and network standards.

The module supports 5G NR, 4G LTE, and 3G WCDMA networks, offering download speeds up to 4.67Gbps and upload speeds up to 1.25Gbps on 5G NR networks. Equipped with 4x4 MIMO technology, it ensures improved signal coverage and enhanced transmission speeds. Additionally, it includes a GNSS modem for accurate navigation and positioning capabilities.

PACKAGE CONTENTS

- 1 x Diyeeni 5G NR Module Card
- 1 x Screw

SETUP AND INSTALLATION

The Diyeeni 4G LTE Module Card is designed for plug-and-play functionality, simplifying the installation process. It is compatible with a variety of devices, including laptops, desktops, and tablets that feature an M.2 slot.

Physical Installation Steps:

- 1. Prepare Your Device:** Ensure your laptop, desktop, or tablet is powered off and disconnected from any power source. For laptops, remove the battery if applicable.
- 2. Locate the M.2 Slot:** Open your device's casing to access the internal components. Identify an available M.2 slot, typically labeled for WWAN (Wireless Wide Area Network) or similar. Consult your device's manual for exact location.
- 3. Insert the Module Card:** Gently align the Diyeeni 4G LTE Module Card with the M.2 slot. Insert the card at a slight angle (approximately 30 degrees) until the gold contacts are fully seated.
- 4. Secure the Card:** Push the card down towards the motherboard until it lies flat. Use the provided screw to secure the card in place at the end of the slot.

5. **Connect Antennas (Optional/If applicable):** If your device supports external antennas for cellular connectivity, connect them to the appropriate connectors on the module card (e.g., ANT0, ANT1, ANT2, ANT3).
6. **Reassemble and Power On:** Close your device's casing, reconnect the battery (if removed), and power on the device.



Image: Close-up of the M.2 connector for proper alignment during installation.

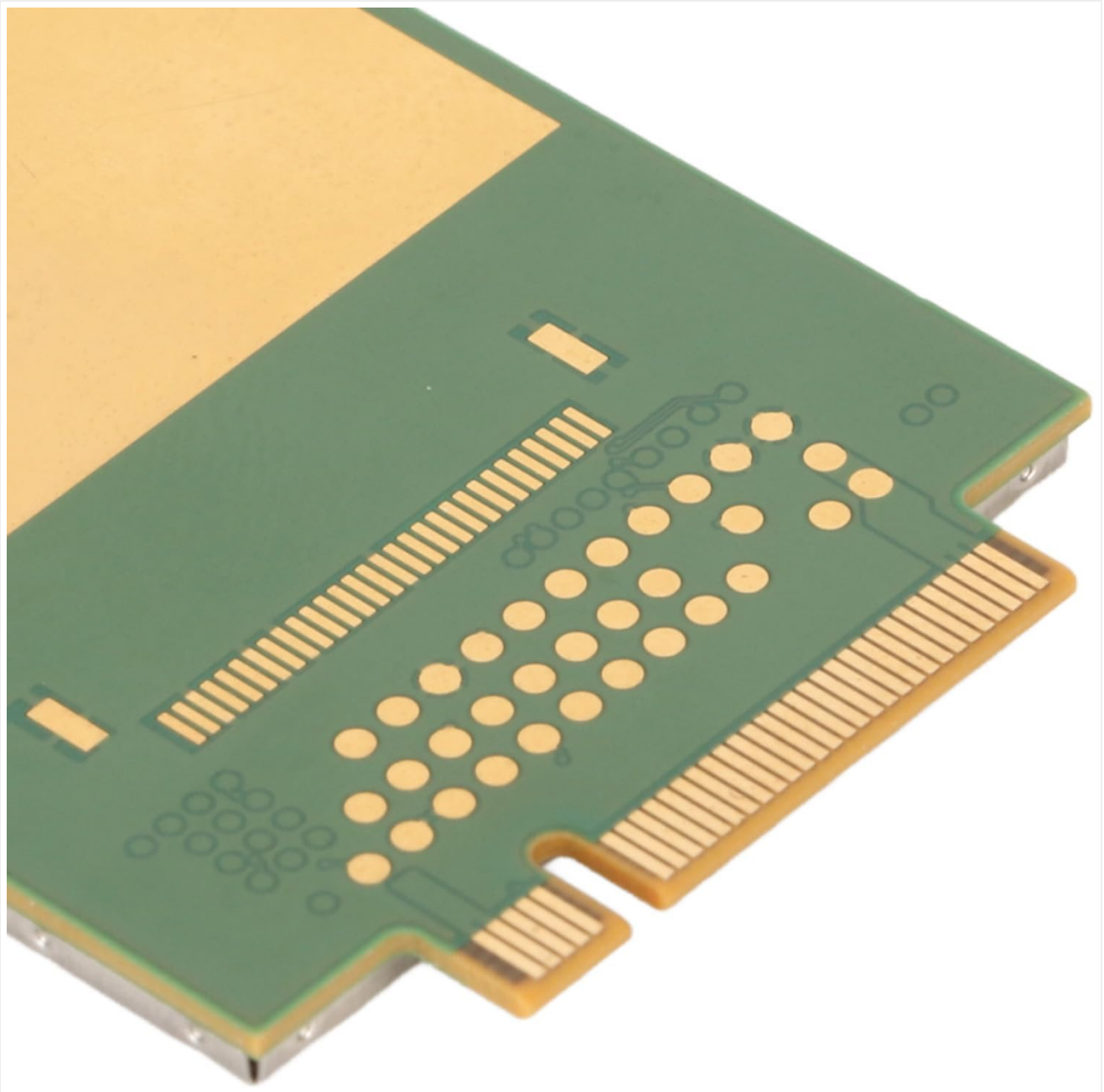


Image: Antenna connectors on the module card for optional external antenna connections.

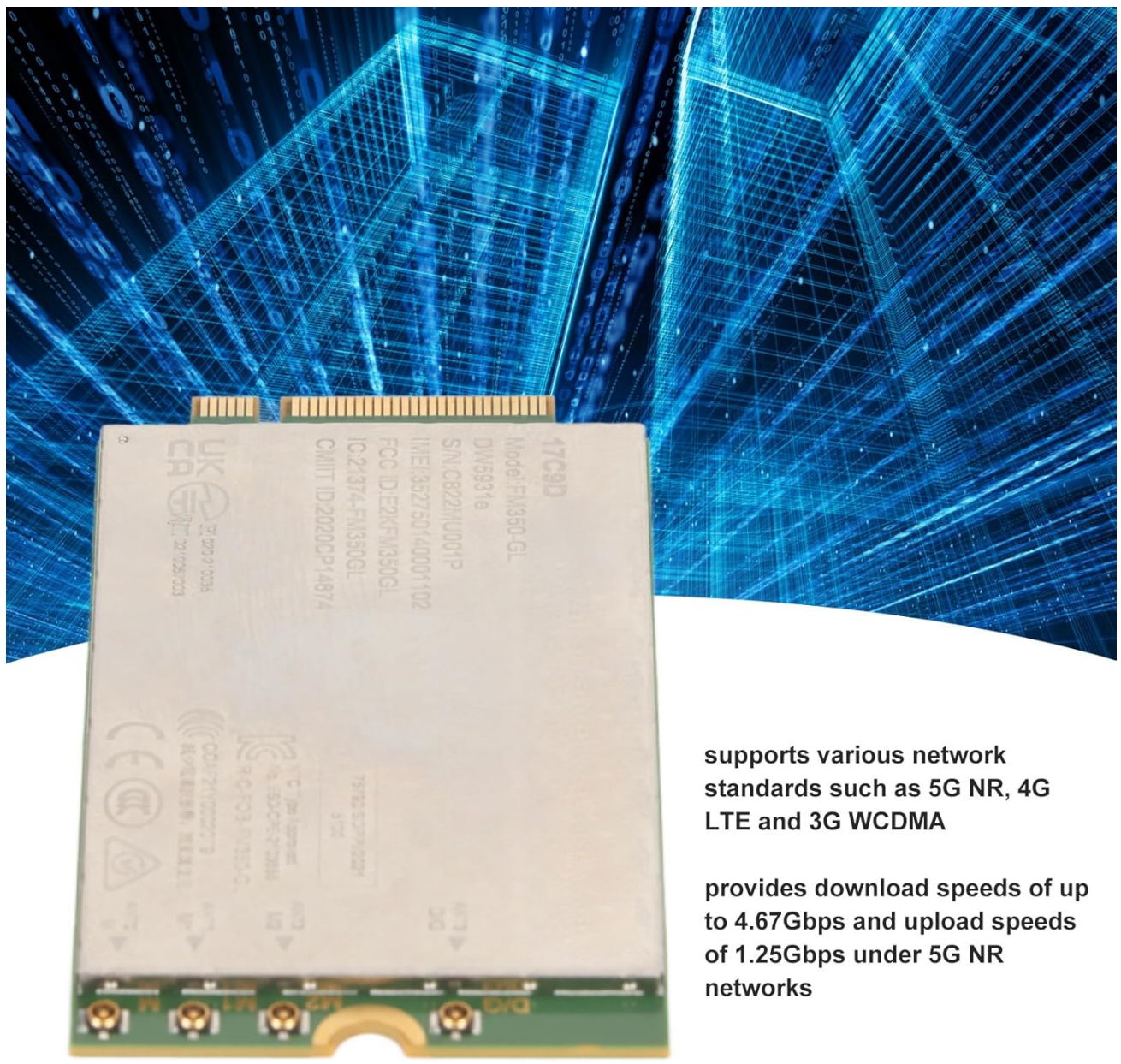
OPERATING INSTRUCTIONS

Once the Diyeeni 4G LTE Module Card is physically installed, your operating system (such as Windows or Linux) should automatically detect the new hardware. Due to its plug-and-play design, manual driver installation is often not required. If prompted, allow the operating system to install necessary drivers.

Connecting to a Cellular Network:

1. **Insert SIM Card:** Ensure a compatible SIM card (not included) is inserted into the SIM card slot on your device, if available and connected to the module.
2. **Access Network Settings:** Navigate to your device's network settings. This is typically found in the 'Settings' or 'Control Panel' under 'Network & Internet' or 'Mobile Network'.
3. **Enable Mobile Broadband:** Turn on the mobile broadband or cellular data option.
4. **Select Network:** Your device should automatically detect available cellular networks. Select your preferred network if multiple options appear.
5. **Establish Connection:** The module will attempt to connect to the selected network. Once connected, you will

have internet access.



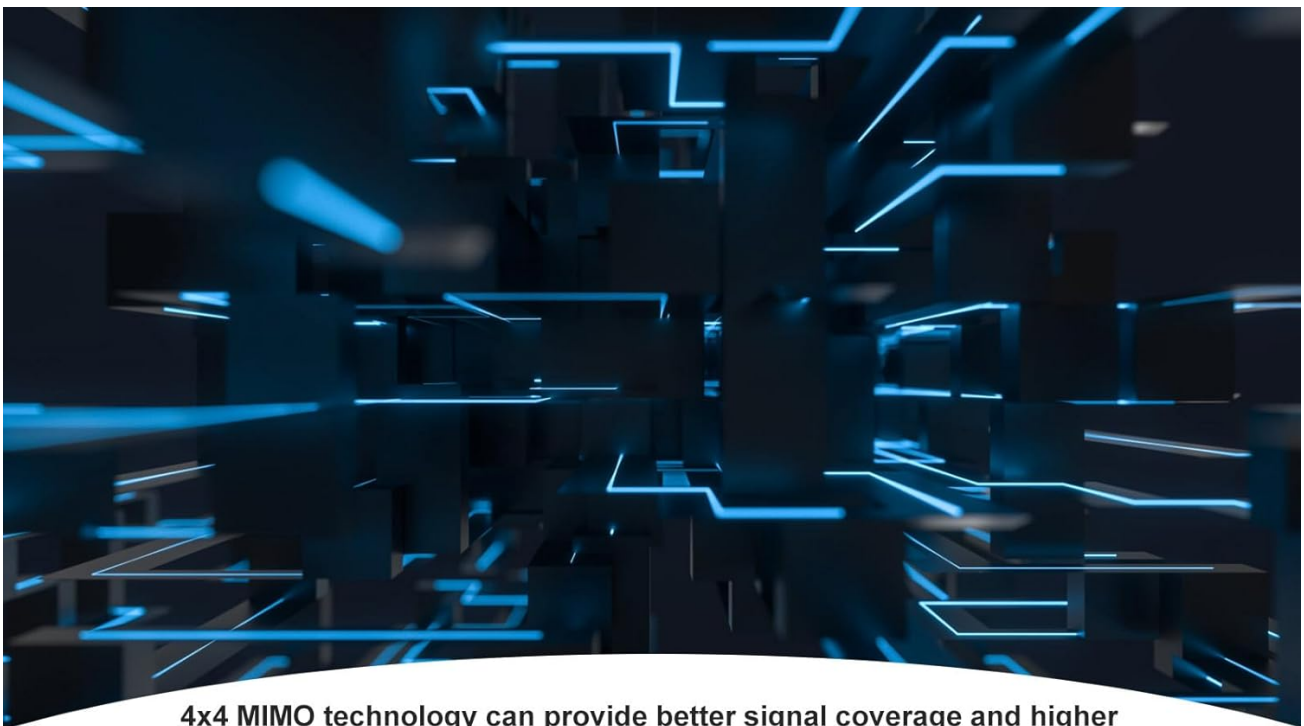
supports various network standards such as 5G NR, 4G LTE and 3G WCDMA

provides download speeds of up to 4.67Gbps and upload speeds of 1.25Gbps under 5G NR networks

Image: The module card supports various network standards and offers high-speed data transfer.

GNSS Functionality:

The integrated GNSS modem provides accurate navigation and positioning. This feature can be utilized by compatible applications and services on your device that require location data.



4x4 MIMO technology can provide better signal coverage and higher transmission speeds



Image: 4x4 MIMO technology enhances signal coverage and transmission speeds.

MAINTENANCE

The Diyeeni 4G LTE Module Card requires minimal maintenance. To ensure optimal performance and longevity:

- **Keep Drivers Updated:** Periodically check for and install the latest drivers for your module card from your device manufacturer's website or the module manufacturer's support page.
- **Ensure Proper Ventilation:** Make sure your device has adequate airflow to prevent overheating, which can affect the performance of internal components, including the network card.
- **Handle with Care:** When handling the module card, avoid touching the gold contacts or sensitive components to prevent electrostatic discharge damage.

TROUBLESHOOTING

If you encounter issues with your Diyeeni 4G LTE Module Card, refer to the following troubleshooting tips:

No Network Connection:

- **Check Physical Installation:** Ensure the module card is securely seated in the M.2 slot and the screw is

tightened.

- **Verify SIM Card:** Confirm that a working SIM card with an active data plan is correctly inserted into your device's SIM slot.
- **Driver Installation:** Check Device Manager (Windows) or equivalent (Linux) to ensure the module card drivers are installed correctly and there are no error symbols. Reinstall drivers if necessary.
- **Network Settings:** Verify that mobile broadband is enabled in your operating system's network settings.
- **Antenna Connection:** If using external antennas, ensure they are securely connected to the module card.

Slow Data Speeds:

- **Signal Strength:** Check the cellular signal strength. Weak signals can lead to slower speeds. Try moving to an area with better reception.
- **Network Congestion:** Data speeds can be affected by network congestion, especially during peak hours.
- **Driver Updates:** Ensure your module drivers are up to date.
- **Device Performance:** Other applications running on your device might be consuming bandwidth or system resources.

Module Not Detected:

- **Reseat Module:** Power off your device, open the casing, and reseat the module card in its M.2 slot.
- **BIOS/UEFI Settings:** Some devices may require enabling the M.2 slot or WWAN functionality in the BIOS/UEFI settings.
- **Compatibility:** Ensure your device's M.2 slot is compatible with cellular modules (e.g., M.2 Key B or Key B+M).

SPECIFICATIONS

Feature	Detail
Item Type	5G NR Module Card
Material	Printed Circuit Board
Interface Type	M.2
Network Standard	5G(NR): n1/2/3/5/7/8/20/25/28/30/38/40/41/48/66/71/77/78/79 4G(LTE FDD): B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71 4G(LTE TDD): B34/38/39/40/41/42/43/46/48 3G(WCDMA): B1/2/4/5/8
Data Rates (FR1 Sub 6 SA)	4.67Gbps (DL) / 1.25Gbps (UL)
Data Rates (FR1 Sub 6 NSA)	3.74Gbps (DL) / 835Mbps (UL)
Data Rates (LTE FDD)	1.6Gbps (DL) / 211Mbps (UL)
Data Rates (LTE TDD)	1.22Gbps (DL) / 90Mbps (UL)
Data Rates (DC HSPA+)	42Mbps (DL) / 11.5Mbps (UL)
Data Rates (HSPA/HSPA+)	21Mbps (DL) / 5.76Mbps (UL)
Data Rates (UMTS)	384Kbps (DL) / 384Kbps (UL)
MIMO Technology	4x4 MIMO
GNSS Modem	Included for navigation and positioning
System Support	For Windows, For Linux
Applicable Devices	Laptops, Desktops, Tablets
Model Number	Diyeeni0gh1c5nb9y

WARRANTY AND SUPPORT

For warranty information regarding your Diyeeni 4G LTE Module Card, please refer to the documentation provided at the time of purchase or contact your retailer. Warranty terms typically cover manufacturing defects for a specified period.

If you require technical assistance or have questions not covered in this manual, please contact the seller or Diyeeni customer support through their official channels. Keep your purchase receipt and product model number (Diyeeni0gh1c5nb9y) readily available when seeking support.