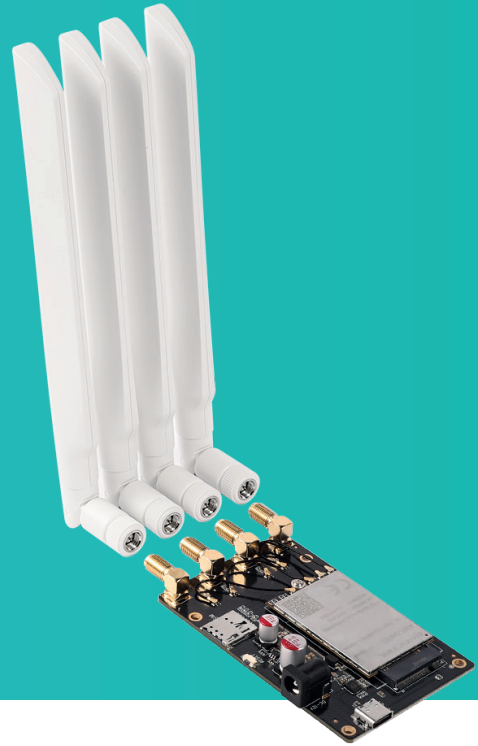


Datasheet

Meet GL-M2

5G Development Board for Enhancement



Introducing the GL-M2 Development Board, a game-changing addition to your GL.iNet routers. With its 5G module (Quectel RM520N-GL) and four interchangeable SMB antennas, GL-M2 brings lightning-fast 5G connectivity to the selected GL.iNet routers, empowering DIY enthusiasts to customize their networking experience.

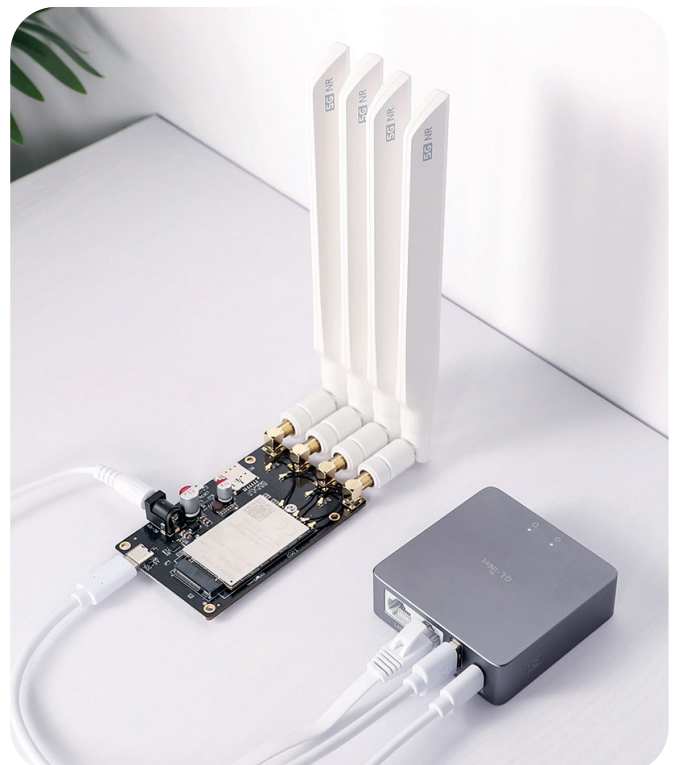
Highlights

GL-M2

With the GL-M2 Development Board, you can effortlessly upgrade your GL.iNet routers* to harness the power of 5G networks. GL-M2 is designed for individuals interested in constructing their personalized networking solution. The device supports the addition of 5G antennas to enhance signal reception and connectivity. Designed with DIY enthusiasts in mind, this innovative board allows you to fully customize your GL.iNet router for various purposes, opening up a world of possibilities.

**M2 is compatible with the following devices:*

- Flint 2 (GL-MT6000) : Firmware version 4.5.1 or above.
- Flint (GL-AX1800): Firmware version 4.2.3 or above
- Slate AX (GL-AXT1800), Beryl AX (GL-MT3000) & Brume 2 (GL-MT2500) : Firmware version 4.2.1 and above.



Enhanced Network Stability and Versatility

By integrating cellular networks into the failover and load-balancing systems, GL-M2 enables you to leverage cellular data as an additional WAN input, enhancing network reliability and stability. In the event of a primary Ethernet connection failure, the router will automatically switch to cellular connectivity, ensuring reliable Internet access. Moreover, you can distribute data usage across both the cellular and other WAN inputs with the load balance function, optimizing performance and maximizing efficiency.

Global 5G NR/4G LTE Compatibility

Our 5G module supports a variety of frequency bands. Hence, it is compatible with major Internet service providers globally. No longer bound by regional limitations, the M2 development board can be deployed anywhere, delivering reliable 5G connectivity to your devices. With a focus on global markets, this module is specifically designed to support 28 essential sub-6GHz bands (n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 29/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/ 79). Additionally, it offers backward compatibility with LTE-A/3G networks and integrates GNSS for precise location services. RM520N-GL is certified for use on T-Mobile's 5G and LTE-A networks in the United States, ensuring reliable performance in this market.

Seamless Integration

Seamlessly integrate the M2 with your compatible GL.iNet router by simply connecting it to the router's USB port. No complex setup or technical expertise required. With this hassle-free installation, you can quickly enhance your router with 5G connectivity and enjoy all the benefits it brings.



Elevated Network Reception

Equipped with four high-performance 5G antennas, GL-M2 is designed to take your network reception to the next level and unlock the full potential of your cellular connection. By enhancing signal capture and transmission, it allows the device to deliver faster data speeds, reduced latency, and an overall improvement in performance. Take your network capabilities to new heights with the GL-M2.

**The network connectivity is subjected to ISP's 5G network coverage provision. If 5G service is not available in certain areas, the network connectivity might experience a decrease in network service speed from 5G NR to 4G LTE or below.*

Specifications

HARDWARE

External Antennas	4 x 5G Antennas
Dimension / Weight	91 x 57.5 x 1.6 mm / 150g (With 5G Module) (M2 Dev Board 39g, 4 x 5G Antennas 102g, 5G Module 9g)

INTERFACE

LED Indicator	1 x red LED indicator
USB Port	1 x USB 3.1 Type-C
Reset Button	Press and hold for 2 seconds, and then release to repair network
Power Port	DC, 12V/1.5A

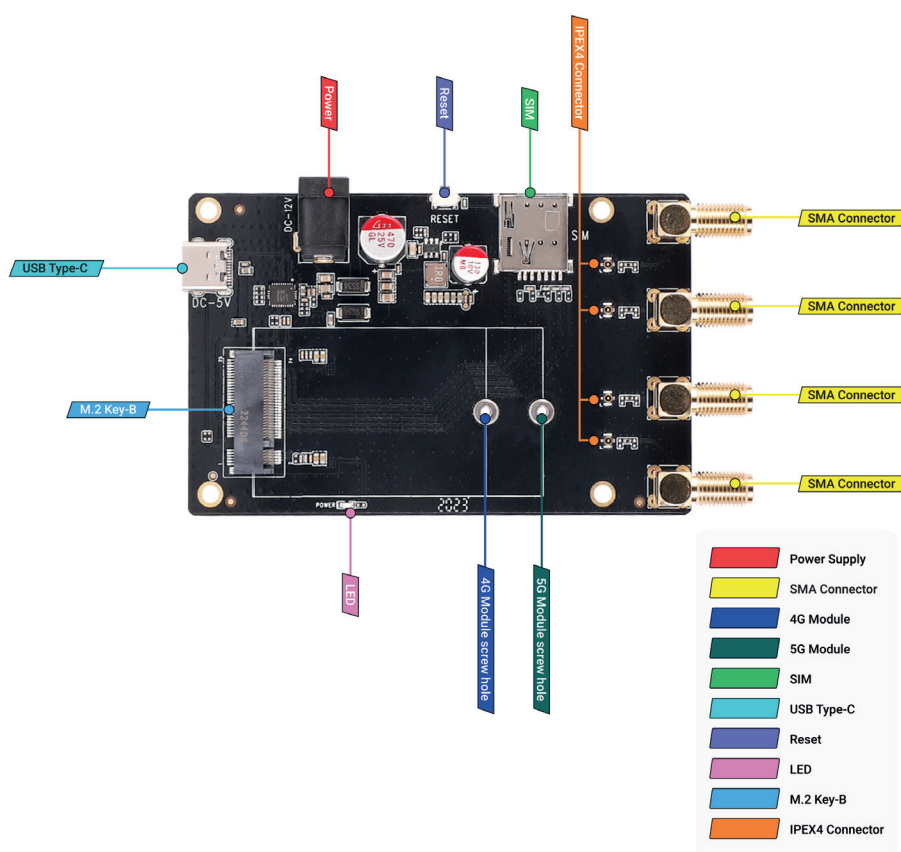
ENVIRONMENT

Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	5%~95%, non-condensing
Storage Humidity	5%~95%, non-condensing

PACKAGE LIST

1 x GL-M2 Development Board
 4 x 5G Antennas
 4 x SMA Cable Connectors
 2 x Screws
 1 x DC Power Adapter
 1 x Universal Plug Adapter (US, EU, UK & AU)
 1 x 5G Module (Optional)
 1 x Type-C Cable

PINOUT



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