



4G Industrial Indoor Router

MII4202

4G LTE indoor industrial router MII4202 is designed specifically for small scale Fixed Wireless Access (FWA) applications, offering powerful performance and diverse features. Equipped with a high-performance CPU and memory. MII4202 is equipped with one Gigabit WAN port and four Gigabit LAN ports, making it easy for users to connect various devices. The dual Micro SIM card slots ensure continuous network connectivity, while the LED indicators display data transmission and network connection status.

MII4202 also features high-precision GNSS positioning, providing accurate location information for IIoT devices to meet remote real-time monitoring needs. It is built with a RS-485 interface and supports the Modbus RTU (Remote Terminal Unit) protocol, facilitating the integration and data transfer with various industrial devices and instruments, significantly enhancing the flexibility of industrial applications.

Additionally, MII4202 can operate stably within an extreme temperature range from -30°C to +70°C, making it suitable for various harsh environments and climate conditions. With its advanced technologies, outstanding performance, as well as multiple flexible design features, MII4202 can provide stable and reliable operation in various industrial application scenarios.

Features

1. High-performance wireless network SoC processor.
2. Multi-functional interface ports: RS-485, Digital Input/Digital Output (DI/DO).
3. Dual Micro SIM card slots for enhancing network connection stability.
4. GNSS functionality provides accurate location information to support positioning needs.
5. LED indicators display signal strength and network connection status in real-time for easy monitoring.
6. Compatible with M.gear detachable SMA LTE/GNSS antennas.
7. Stable operation in extreme temperature range from -30°C to +70°C.
8. With competitive LTE module to provide rich features and efficient solutions.

Specifications

General

Cellular Interface

- 4G: LTE FDD/TDD
- GNSS: L1

Hardware Interface

- 1 x 10/100/1000 Base-T WAN port with LED
- 4 x 10/100/1000 Base-T LAN ports with LED
- 2 x Micro SIM slots
- 1 x USB 2.0
- 1 x Reset Button
- 1 x RS-485 (D+/D-/GND)
- 1 x DI (Isolated), 1 x DO (Isolated)
- Terminal Block Power Input : 8~26 VDC

Antenna

- 2 x SMA connectors for detachable LTE Antenna
- 1 x SMA connector for detachable GNSS Antenna

Physical Characteristics

Enclosure : Metal case

Dimensions (W x H x D) : 138.9mm x 131mm x 38mm

Weight : 600g

Installation : Wall mounting, DIN-rail mounting, Desktop

LED Display :

- 1 x Power status
- 1 x LTE
- 3 x Signal status

Power Supply

Power Input : AC 100 ~ 240 V

DC Output : 12V/ 2A(MAX)

Software

Network Protocols

- IPv4, IPv6, IPv4/IPv6 dual stack, DHCP server and client
- Static IP, SNTP, DNS proxy, Modbus TCP to Modbus RTU
- Static routing and RIP v1/v2

VPN

OpenVPN, IPSec (DES, 3DES, AES128, AES196, AES256, MD5, SHA-1, SHA128, SHA192, SHA256), L2PT, PPTP

Firewall

- NAT, Virtual server, Port trigger, DMZ
- MAC and URL filter, Stateful packet inspection, DOS attack

Alarm: SMS, VPN/WAN disconnect, SNMP trap

Others: DDNS, QoS(SCM), SMS Action, USB Storage, Diagnostics

Management: Web GUI with HTTPS/HTTP, Dual image, Syslog, SNMP, SSH v2

Environment

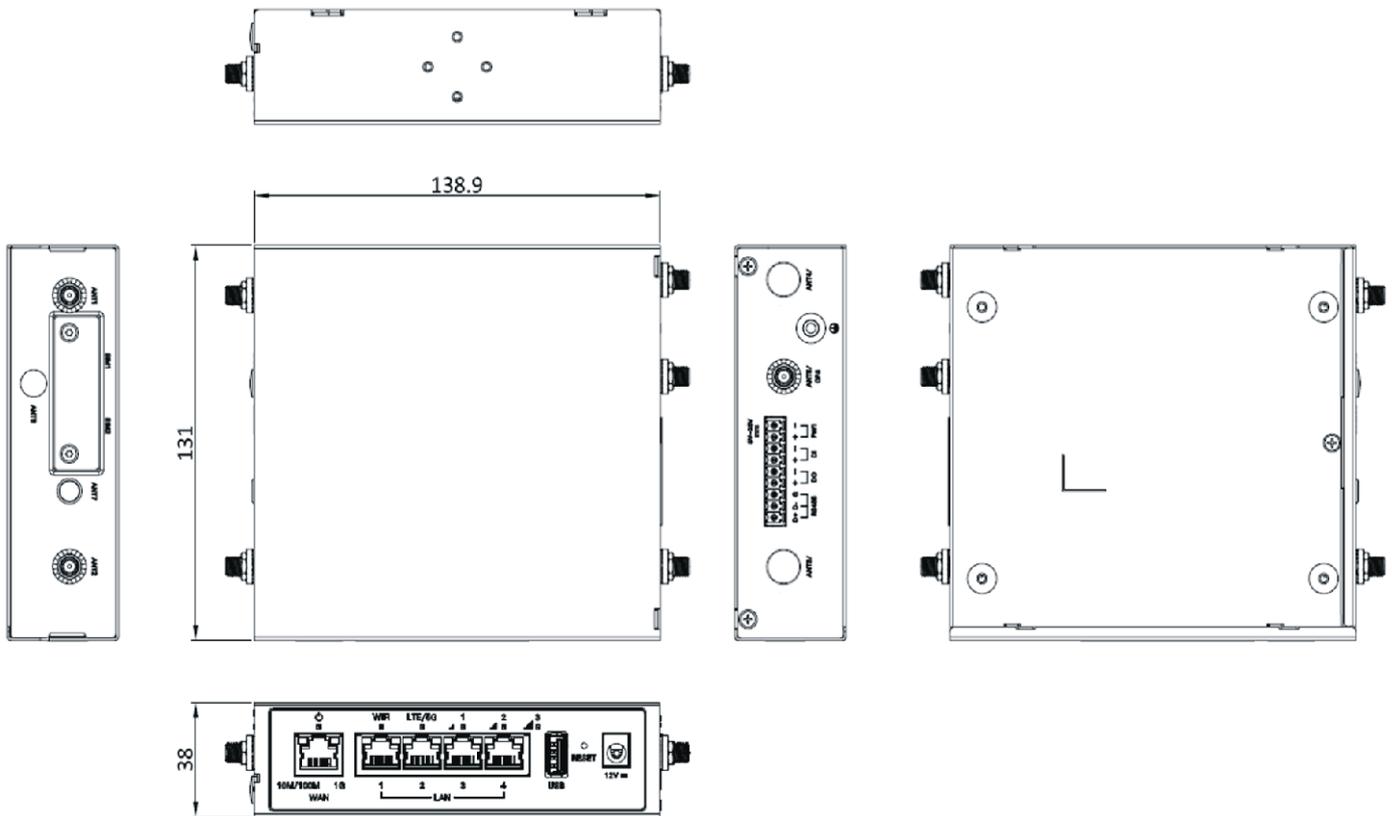
Operating Temperature: -30 ~ +70°C

Storage Temperature: -40 ~ +85°C

Ambient Relative Humidity: 10 ~ 95% (Non-condensing)

Humidity: 0 ~ 95% (Non-condensing)

Enclosure Drawing



Application Example

