

## Guardian Device GIICM680R-C

The Guardian device GIICM680R-C enables the secure connection of existing equipment to the Microsoft Azure Sphere IoT cloud via Ethernet, dual-band Wi-Fi or Cellular. It can connect your device via different interfaces: BLE, RS-422/RS-485, CAN. Our Mobile phone App can help you configure the module's Wi-Fi, Cellular parameters and switch between Ethernet, Wi-Fi or Cellular conveniently through BLE connection.

## Specifications

- AI-Link WF-M620-RSD2 module
- Northbound link:
  - Cellular(4G/LTE) data communication
  - Dual-band Wi-Fi, 2.4GHz and 5GHz
  - Ethernet port: RJ45 female, 10Mbps



- Southbound link:
  - Bluetooth 5.0 connectivity
  - RS-422 or RS-485
  - CAN
- Modbus protocol supported
- GNSS location report
- MCU programming and debug port
- A/C adapter DC 5V/2A
- 3 LED indicators: 2 programmable Red/Green LED and 1 BLE activity LED,
- Operating temperature: -10 °C to +60 °C
- Operating humidity: 5% to 90% non-condensing
- Dimensions: 95mm\*95mm\*25mm
- Enclosure: Mountable, Black color

## Ports and Interface



**Ports:** RJ45: For Ethernet.      Debug Port: For MCU programming and debugging.      Power Port: AC Adapter Power supply.  
3 LED indicators: 2 programmable red/green LEDs, 1 BLE activity LED.

**Pin port: For RS-422/RS-485 and CAN:**

1	2	3	4	5	6	7
VCC-OUT (5V)	GND	RS-GND	RxD-	RxD+	CAN-GND	CANH
14	13	12	11	10	9	8
NC	NC	RS-GND	TxD-	TxD+	CAN-GND	CANL

## Appearance

Size: 95mm x 95mm x 25mm



Side View



Top View



Bottom View

## Guardian Device Series Products

Product Model	Northbound	Southbound
GIIICM680L	Ethernet/Wi-Fi	BLE, USB, LoRa
GIIICM680L-C	Cellular/ Ethernet/Wi-Fi	BLE, USB, LoRa
GIIICM680E	Ethernet/Wi-Fi	BLE, Ethernet, USB
GIIICM680E-C	Cellular/ Ethernet/Wi-Fi	BLE, Ethernet, USB
GIIICM680R	Ethernet/Wi-Fi	BLE, RS422/485, CAN
GIIICM680R-C	Cellular/ Ethernet/Wi-Fi	BLE, RS422/485, CAN