

Guardian Device GIIICM680R

The Guardian device GIIICM680R enables the secure connection of existing equipment to the Microsoft Azure Sphere IoT cloud via Ethernet or dual-band Wi-Fi. 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 and switch between Ethernet or Wi-Fi conveniently through BLE connection.

Specifications

- AI-Link WF-M620-RSD2 module
- Northbound link:
 - 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
- 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

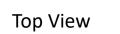






Side View







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 | |