

Guardian Device GIICM680E-C

The Guardian device GIICM680E-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, Ethernet, USB. 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
 - Ethernet port: RJ45 female, up to 1Mbps
 - USB port (Power + Data)
- GNSS location report
- MCU programming and debugging port
- A/C adapter DC 5V/2A
- 3 LED indicators: 2 programmable Red/Green LEDs, 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:

USB Type-B: For Stand-by power supply and USB-to-Serial port.

RJ45: For Northbound Ethernet.

Power Port: AC Adapter Power supply.

3 LED indicators: 2 programmable Red/Green LEDs, 1 BLE activity LED.

RJ45: For Southbound Ethernet.

Debug Port: For MCU programming and debugging.

Appearance

Size: 95mm x 95mm x 25mm



Side View



Top View



Bottom View

Guardian Device Series Products

Product Model	Northbound	Southbound
GIICM680L	Ethernet/Wi-Fi	BLE, USB, LoRa
GIICM680L-C	Cellular/ Ethernet/Wi-Fi	BLE, USB, LoRa
GIICM680E	Ethernet/Wi-Fi	BLE, Ethernet, USB
GIICM680E-C	Cellular/ Ethernet/Wi-Fi	BLE, Ethernet, USB
GIICM680R	Ethernet/Wi-Fi	BLE, RS422/485, CAN
GIICM680R-C	Cellular/ Ethernet/Wi-Fi	BLE, RS422/485, CAN