Guardian Device AI-SR620 II

The Guardian device 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: RS485, RS232, I2C, UART and output GPIO. Our Android phone App can help you configure the module's Wi-Fi or switch between Ethernet or Wi-Fi. The on-board Bluetooth chipset provides wireless senor and device configuration connectivity.

Specifications

- AI-Link WF-M620-RSD2 module

- Dual-band Wi-Fi, 2.4GHz and 5GHz

- Bluetooth 5.0 connectivity

- Ethernet port: RJ45 female, 10Mbps

- RS232 or RS485 port: contact pin with SPDT slide switch

- UAR or I2C port: contact pin with SPDT slide switch

- GPIO to control outside device, used as output only

- Micro USB debug port

- Micro USB power source port, 5VDC/2A

- 3 LED indicators: 1 Green Power LED, 1 Red/Green Network LED and 1 Red/Green App LED

- Operating temperature: -10 °C to +80 °C

- Operating humidity: 5% to 90% non-condensing

- Dimensions: 75mm*75mm*20mm

- Enclosure Color: white

- Options: (3G/4G/LTE, NB-IoT, CAN Bus, RS422, USB)

Ports and Interface

- Ports: RJ45: For Ethernet; Debug Port: For MCU debug;   Power Port: USB Power supply;   Antenna: Dual-band Wi-Fi Antenna
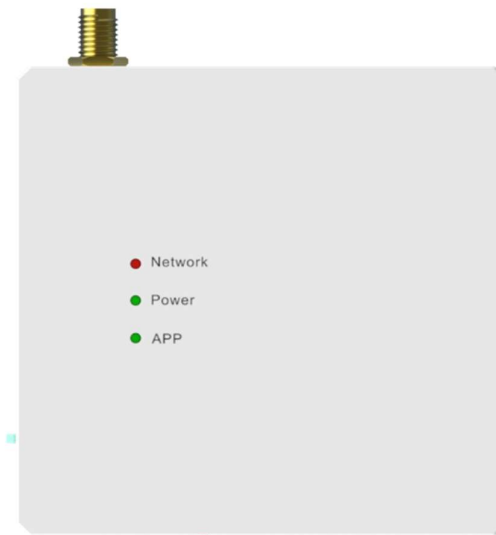

- Interface: RS485, RS232, UART, I2C and GPIO (Output only)

1	2	3	4	5	6	7
RS485_B TX	RX	CTS	Uart_CTS	Uart_TX	GPIO70	I2C-SCL
14	13	12	11	10	9	8
RS485_A RTS	GND	GND	3V3	Uart_RX	Uart_RTS	I2C-SDA

Appearance

Side View

Top View

1	2	3	4	5	6	7
RS485_B TX	RX	CTS	Uart_CTS	Uart_TX	GPIO70	I2C-SCL
14	13	12	11	10	9	8
RS485_A RTS	GND	GND	3V3	Uart_RX	Uart_RTS	I2C-SDA

TX & Uart_TX:Guardian Output
RX & Uart_RX:Intput to Guardian

Bottom View

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