

SRP620 Series

Quick Start Guide

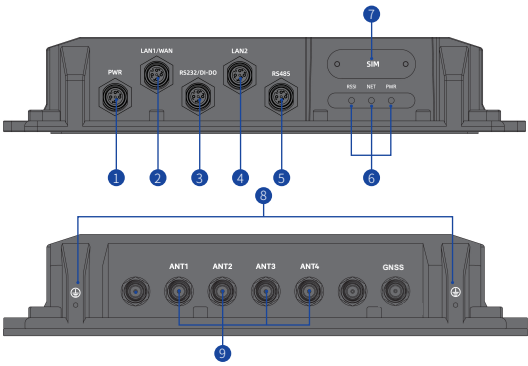
Welcome to the SRP Series

SRP series ruggedized outdoor router provides 5G NR service in a ruggedized form factor. With an operating temperature range of -40°C ~ 70°C endurance, they offer industrial-grade environmental qualifications while providing higher speed data services for video and other bandwidth-intensive applications. SRP series industrial router has very strong anti-vibration ability and it is qualified for extreme industrial environments and ideally suited for rail, transportation, mining, oil and gas, manufacturing, and other outdoor applications.

With the diverse self-developed 5G NR embedded modules integrated, SRP series industrial router can support multi-band for Private 5G NR, even support uncommon frequencies. SRP series industrial router can provide accurate real-time location information.

This document will serve as a quick start guide for SRP series ruggedized outdoor router. In this document, the SRP series ruggedized outdoor router will be replaced by the router.

Device Architecture



- 1 Power port
- 2 LAN1/WAN port
- 3 RS232 and DIDO port
- 4 LAN2 port
- 5 RS485 port
- 6 LED interface
- 7 SIM interface
- 8 Ground screws
- 9 5G NR antenna interface

Note1 The reset button is beside SIM interface, if press 1s, router will restart; If press on for 10s, the router will reset to factory defaults.

Note2 There are two white ground screws also at behind of device.

RS232/485 Cable Definition

RS232/485 cable definition				
	Number	Colors	RS485	RS232+DIDO
	1	Orange&white	NC	DO2
	2	Orange	NC	DI2
	3	Green&white	RS_GND	DO1
	4	Blue	RS_GND	DI1
	5	Blue&white	RS_GND	RS_GND
	6	Green	RS_GND	RS_GND
	7	Brown&white	RS485_B	RS232_TX
	8	Brown	RS485_A	RS232_RX

LAN/WAN Cable Definition

LAN/WAN cable definition			
	Number	Colors	LAN/WAN
	1	Orange&white	MDI0-/RJ45-1
	2	Orange	MDI0-/RJ45-2
	3	Green&white	MDI1-/RJ45-3
	4	Blue	MDI2-/RJ45-4
	5	Blue&white	MDI2-/RJ45-5
	6	Green	MDI1-/RJ45-6
	7	Brown&white	MDI3-/RJ45-7
	8	Brown	MDI3-/RJ45-8

Power Cable Definition

Power cable definition			
	Number	Colors	PWR
	1	Red	PWR_Positive
	2	Black	PWR_GND
	3	NC	NC
	4	NC	NC

Working Environment

Operating Temperature	-40°C ~ 70°C
Storage Temperature	-40°C ~ 80°C
Humidity	5% ~ 95%
Power Supply	9 ~ 36VDC
Power Consumption	<20W
Water and Dustproof	IP67

Packing List

Items	Accessories	Qty
1	A-Code cable to RJ45 jack ADC2 (Ethernet cable)	1
2	A-Code 8-Pin cable ADB1 (Data cable)	1
3	A-Code 4-Pin cable M12A (Power cable)	1
4	Mounting bolt	4
5	Grounding cable	1
6	Protective cap (TNC)	6
7	Protective cap (M12)	5

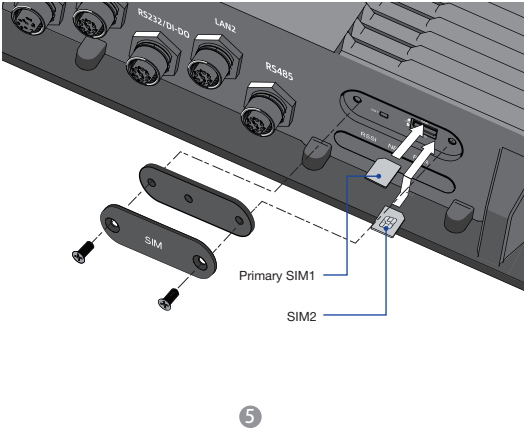
Hardware Configuration

Install SIM Cards

Step1 Use a cross screwdriver to remove the SIM card cover.

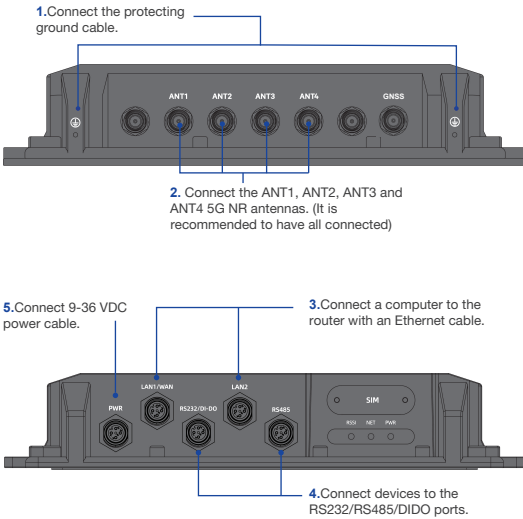
Step2 Slide the SIM cards into the SIM slots until they click into place. By default, the SIM card in slot 1 (the upper slot) is the Primary SIM card. When the SRP router is powered on or rebooted, it automatically connects to the network associated with the Primary SIM card.

Step3 Re-attach the cover.



Connect and Turn on the Router

Please connect the protecting ground cable as first step, connect 9-36 VDC power cable as the last step.



Connect to the Network

When the router is powered on, a green PWR LED may occur. This indicates that the power input is good.