

Industrial 5G Wireless CPE Data Sheet



Introduction :

A high-speed 5G terminal based on 5G NR/LTE-FDD/LTE-TDD/HSPA+ cellular modem, integrates a dual-core 880MHz CPU, provide 2x 10/100/1000m network ports, 1 SIM card slot and insert LAN port to get 5G high-speed network. Its size is very small, in addition to the use of aluminum shell, has a very good heat dissipation performance. It also adopts wide temperature, wide voltage input and EMC test with electromagnetic compatibility.

Has been widely used in the Internet of things industry chain of M2M industry, such as self-service terminals, smart grid, smart transportation, smart home, financial, mobile POS terminals, supply chain automation, industrial automation, intelligent buildings, fire control, public security, environmental protection, meteorology, digital medical treatment, telemetry, military, space exploration, agriculture, forestry, water, coal, petrochemical and other fields.

Features:

- ✓ MTK dual-core 880MHz CPU
- ✓ 2 x 10/100/1000M Ethernet LAN/WAN Ports
- ✓ 5G NR/LTE-FDD/LTE-TDD/HSPA+ Network
- ✓ Super small size
- ✓ Supported DC12-30V input

Details :

Hardware :

Hardware	
CPU	MTK dual-core 880MHz CPU
RAM	1G bit
Nand Flash	256MB(Bytes)
OS	LINUX latest version

Cellular Interface :

Cellular Interface		
Band Supported	5G/4G/3G Version	
5G	Sub-6G	n1,n2,n3,n5,n7,n8,n12,n20,n25,n28,n40,n41,n66,n71,n77,n78,n79
4G	LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19 / B20/B25/B26/B28/B29/B30/B32/B66/B71
4G	LTE-TDD	B34/B38/B39/B40/B41/B42/B48
3G	WCDMA	B1/B2/B3/B4/B5/B8
Theory of Bandwidth	<ul style="list-style-type: none">• Sub-6G:Uplink up to 300Mbps,Downlink up to 4 Gbps• LTE CAT20:Uplink up to 150Mbps,Downlink up to 2.4Gbps• HSPA+:Uplink up to 5.76Mbps,Downlink up to 42.0Mbps This is the theoretical value, the actual speed is subject to the local operator	

Router characteristics

Firewall	Network Address Translation (NAT)
	State full Packet Inspection (SPI)
Media Access Control	CSMA/CA with ACK
VPN protocol	PPTP,L2TP ,OpenVPN Client
DHCP	Build-in DHCP (Dynamic Host Configuration Protocol)
Others protocol	Supported PPP,PPOE, DDNS,ICMP,VRRP etc

Interface :

Interface	
LAN/WAN ports	2 x 10/100/1000M ports
Reset	1x Reset
Antennas	4x 5G Antennas (50Ω SMA interface)
LED	Power-SYS-LAN-5G LEDs
SIM slot	Supported 1.8/3.3V SIM card

Power	
Default power	DC 12V/1A power adapter (US,EU etc standard option)
Input VDC	12~30VDC
Power Consumption	10W (Max)

Physical property :

Physical property :	
Operating Temperature	Storage Temperature: (-40°C to 85°C)
	Operating Temperature: (-40°C to 75°C)
Relative Humidity	95%
Size	L*S*H: 101mmx82.8mm x 28.8mm
Weight	Net weight:261g
	Package weight:670g
Certification	CCC,CE,FCC,RHOS

Others :

other	
Warranty	2 years
Package contains	Seriallink Router,1.5m long RJ45 Cable,12V/1A Power Adapter,Antennas User manual(PDF version optional)

Order information :

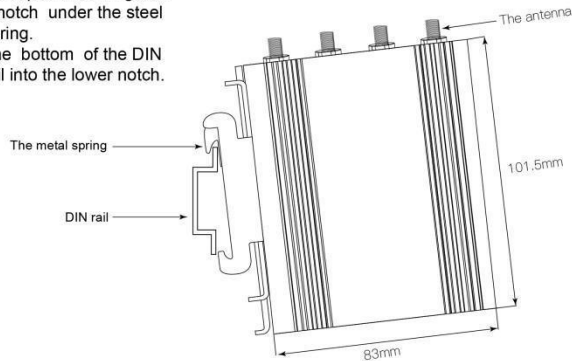
Model	LAN	WAN	SIM slot	5G ANT
	1	1	1	4

Meaning of the indicator: :	
5G	Steady on The 5G module is started
	A flash mob indicates that 5G is registered on the network
NC	undefined
PW	If the indicator is steady on, the power supply is normal
SYS	System indicator. If the indicator blinks quickly, the system is starting
	Steady on: The system is running properly
Signal strength	Cellular network signal strength



Installation method ① : guide rail installation

1. Press the top of the DIN guide into the notch under the steel metal spring.
2. Insert the bottom of the DIN guide rail into the lower notch.

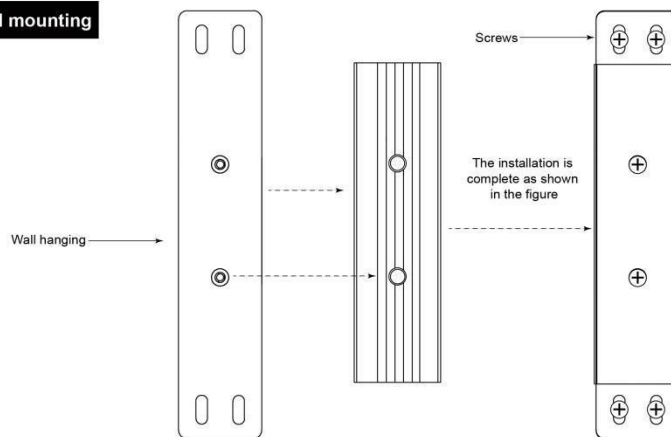


NOTE : Metal springs must be installed above the DIN guide rail

The installation is complete as shown in the figure

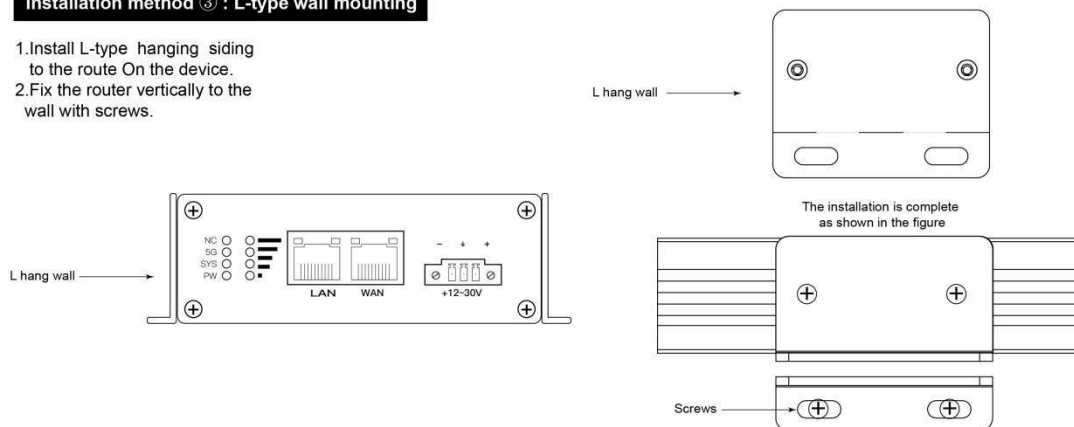
Installation method ② : wall mounting

1. Install the wall-mount panel to the router.
2. Fix the router vertically to the wall with screws.

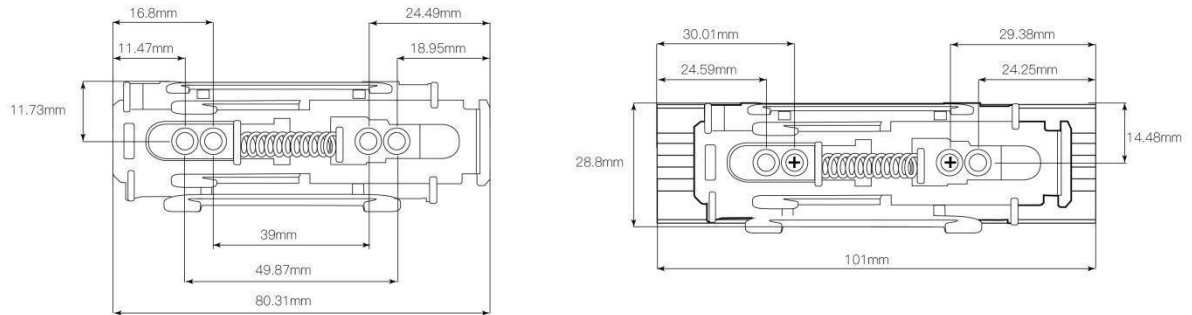


Installation method ③ : L-type wall mounting

1. Install L-type hanging siding to the route On the device.
2. Fix the router vertically to the wall with screws.

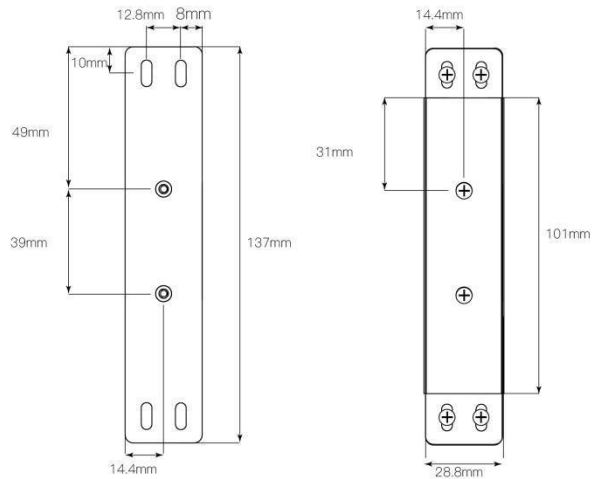


Guide rail mounting size drawing



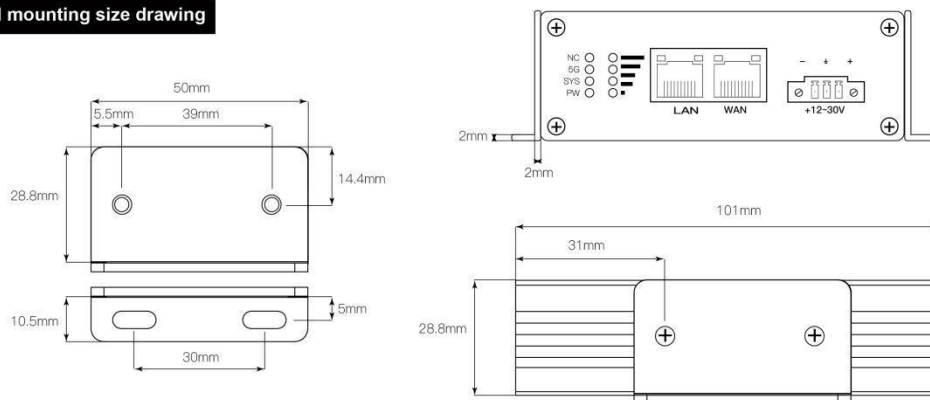
NOTE : The above measured distances are from the center to the edge of the screw hole.

Mounting dimension drawing of hanging wall



NOTE : The above measured distances are from the center to the edge of the screw hole.

L type wall mounting size drawing



NOTE : The above measured distances are from the center to the edge of the screw hole.