



ROUTER

INDUSTRIAL 5G GATEWAY

FEATURES:

- » ETHERNET 5-PORT GIGABIT CONNECTION
- » DUAL-BAND 802.11A/B/G/N/AC WI-FI
- » ADVANCED SECURITY FEATURES
- » ABILITY TO MANAGE THE ROUTER THROUGH A WEB INTERFACE, MOBILE APP, OR API
- » POWERED BY POE OR EXTERNAL POWER SOURCE





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INDUSTRIAL 5G GATEWAY

TECHNICAL DATA:

Gateway

Cellular

- Model G810
- Frequency bands 5G Sub-6: n1, n28, n41, n77, n78, n79
LTE FDD: B1, B2,B3, B5, B7, B8
LTE TDD: B34, B39, B40, B41
WCDMA: B1, B2, B5, B8
- Model G810-E
- Region Europe, Australia,Asia
- Frequency bands 5G Sub-6: n1, n3, n5, n7, n8, n20,n28,n38,n40,n41,n77,n78,n79
LTE FDD:B1, B3,B5,B7, B8, B18,B19, B20, B28,B32
LTE TDD: B38, B40, B41, B42,B43
WCDMA: B1, B2, B5, B8,B19
- Bandwidth 5G NR:up to 900Mbps uplink,up to 2.1Gbps downlink
LTE:up to 150Mbps uplink,up to 1Gbps downlink
HSPA+:up to 5.76Mbp uplink,up to 42Mbps uplink
- TX PWR Class 3 (23dBm±1dB)

Wi-Fi

- Frequency bands IEEE802.11b/g/n,2.4GHz,AP mode IEEE802.11ac,5.8GHz,AP mode
- Bandwidth 2.4G:up to 300Mbps,5.8G:up to 867Mbps
- AUTH type WPA-PSK,WPA2-PSK,MPA3-PSK
- Encryption algorithm TKIP, AES
- Transmission distance Outdoor:up to 200 meters by line of sight without obstruction
Indoor: up to 40 meters
Actual transmission distance depends on environment of the site.

Interfaces

- WAN 110/100/1000M Ethernet port,auto MDI/MDIX,1.5KV network isolation transformer protection
- LAN 310/100/1000M Ethernet ports,auto MDI/MDIX,1.5KV network isolation transformer protection
- Indicators PWR,WLAN,NET,SIG
- Antennae Cellular:6xSMA Female (Outer screw inner hole) Wi-Fi:2xSMA Female(Outer screw inner hole)
- SIM card 6PIN drawer-type SIM card slot,3V/1.8V 2FF mini SIM card
- Power supply DC Power Jack Barrel Type Female 5.5*2.1mm Round socket or 2 PIN industrial terminal block,anti-reverse connection
- Reload Pinhole reset button,Long press for more than 5s to release to restore factory settings
- TBD USB Debug and flash

Power supply

- Power adaptor DC 12V/2A
- Voltage range DC 9-36V
- Current Average 524mA,Peak 637mA/12V

Mechanical

- Housing Metal,IP30
- Dimensions 200.0*140.0*35.0 (L*W*H)





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TECHNICAL DATA:

Gateway

EMC	
• ESD	IEC 61000-4-2 Level 3
• Surge	IEC 61000-4-5 Level 3
• EFT	IEC 61000-4-4 Level 3
Ambient Environment	
• Operating Temperature	-20°C ~ +70°C
• Storage Temperature	-40°C ~ +125°C
• Humidity	5%~95%RH (non-condensing)
Network Connection	
• Ethernet port	WAN:DHCP,PPPoE,static IP LAN:DHCP,static IP
• Network access	APN,VPDN,private network Supports network priority setting
• Wi-Fi	IEEE 802.11b/g/n/ac
• Static routing	Supports routing table addition and viewing, easy implementation of path selection, sub-net interconnection and other applications
• IP Application	Ping,route trace,DNS,DDNS
Device management	
• Configuration	Telnet, web, ssh and AT command Supports configuration parameter import/export to improve configuration efficiency in mass applications Local system log, remote log, and serial export of log. Power down saving of important logs, which is convenient for technicians to quickly locate application problems
• Remote management	Free cloud platform device manager enables you to monitor and configure thousands of routers with minimum effort Supports real-time view of network status, online and offline reminder, abnormal situation alert pushing
Security	
• Link Detection	Sends heartbeat packets to detect,auto redials when disconnected
• Embedded Watchdog	Device runs self-detection,auto recovers from malfunctions
• Network Security	Multicast filter/Ping probe packet,Access Control List (ACL), port mapping,virtual IP mapping,IP-MAC binding
• Data Security	Supports PPTP,L2TP,GRE,IPSEC VPN (IKEv1),OPENVPN protocols Supports CA digital certificate
Others	
• Rich protocols	Built-in multiple common protocols, supports industry protocol, private protocol customization

