



ROUTER

4G INDUSTRIAL GATEWAY

FEATURES:

- » INDUSTRIAL 4G LTE ROUTER, SECURE WIRELESS FOR REMOTE ACCESS
- » RELIABLE CONNECTIVITY FOR M2M AND IOT APPLICATIONS
- » SUPPORTS ETHERNET INTERFACE
- » HARDWARE WATCHDOG
- » SUPPORTS WLAN 802.11 B/G/N





ROUTER

4G INDUSTRIAL GATEWAY

TECHNICAL DATA:

Gateway

Cellular Interface

- Antenna 1 x SMA-K
Note: North America models: 2 x SMA
- SIM card 1 x (3 V & 1.8 V) Standard 2FF SIM, drawer-type sim card slots

Ethernet

1 x WAN port (can be configured to LAN) 10/100 Mbps, compliance with IEEE 802.3, supports auto MDI/MDIX, 1.5KV network isolation transformer

1 x LAN port, 10/100 Mbps, compliance with IEEE 802.3, IEEE 802.3u standards, supports auto MDI/MDIX, 1.5KV network isolation transformer protection

Indicators

- LED
 - PWR: always on after powered on
 - WLAN: always solid on when WiFi is enabled and working properly
 - WAN: solid when cable is connected, blinking when data is transmitting and receiving
 - LAN: solid when cable is connected, blinking when data is transmitting and receiving
 - 2/3/4G mode indicator: 2G led is on after connected to 2G network
3G led is on after connected to 3G network
Both leds is on after connected to 4G network
 - Signal strength: 4 solid bars, strongest signal

WiFi Interface

- Standards & Frequency IEEE 802.11b/g/n, 2.4GHz,
- Data speed IEEE 802.11b/g, maximum 54Mbps. IEEE 802.11n, maximum 150Mbps
- Antenna 1 x SMA-K
- Transmission distance 80 meters by line of sight. Actual transmission distance depends on environment of the site

Power Supply

- Adaptor DC 12V/1A
- Connector DC Power Jack Barrel Type Female 5.5*2.1mm Round socket or 2PIN industrial terminal block, reverse polarity protection
- Input voltage DC 9~36V
- Working power Average 175mA/12V

Physical Characteristics

- Housing Metal shell, IP30
- Dimensions 110.0*94.0*29.0 mm (L*W*H)
- Installation method Panel mounting, DIN-Rail mounting
- EMC
 - Static IEC61000-4-2, level 2
 - Pulsed Electric Field IEC61000-4-4, level 2
 - Surge IEC61000-4-5, level 2
- Operating temperature -20°C~+70°C
- Storage temperature -40°C~+125°C
- Operating humidity 5%~95%RH (non-condensing)

Others

- Reload Pinhole reset button
- TBD Debug interface (TTL Level)
- Embedded Watchdog Device runs self-detection, auto recovers from malfunctions





ROUTER

4G INDUSTRIAL GATEWAY

TECHNICAL DATA:

Gateway

Certificate

CE,CCC,FCC,ANATEL,PTCRB,AT&T

Network Connection

- WAN protocol PPP, PPPoE, DHCP client
- LAN protocol ARP, DHCP server, NAT
- 4G network access Auto APN/VPDN, private network
Access authentication: CHAP/PAP
- WLAN security Open system,WPA/WPA2 PSK
TKIP/AES encryption
- IP routing Static routing
- Network diagnosis Ping,route trace,DNS

Device management

- Configuration Web
- Remote management Telnet, SSH, AT command,SNMP
- PUSR platform Remote monitoring,remote upgrade,alarming,
base station location,remotearchive to web pages of the router

Security

- Failover backup Failover between 4G and WAN, ensures automatic switch to alternative backup connection
- Firewall DMZ, anti-DoS, Filtering (IP/Domain name/MAC address), Port Mapping, Access Control
- VPN Supports PPTP, L2TP, GRE, IPSEC VPN

Service

- DDNS Remote access the device through domain name
- Alarm Email,SMS
- Others NTP client
Timing task

