



# ROUTER

## 4G VPN INDUSTRIAL GATEWAY

### FEATURES:

- » 4G LTE CONNECTIVITY WITH HIGH DOWNLOAD AND UPLOAD SPEEDS
- » DUAL-SIM CONNECTIVITY FOR UNINTERRUPTED SERVICE
- » ADVANCED SECURITY FEATURES INCLUDING ENCRYPTION, VPN, MAC-BASED ACCESS MANAGEMENT, AND 2FA
- » DESIGNED FOR HARSH ENVIRONMENTS WITH A WIDE TEMPERATURE RANGE AND VIBRATION RESISTANCE UP TO 5G.





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## 4G VPN INDUSTRIAL GATEWAY

### TECHNICAL DATA:

#### Gateway

##### Cellular Interface

- Antenna 2 x SMA-K Note:  
North America models: 2 x SMA 4G antenna connectors.
- SIM card 1 x (3 V & 1.8 V) Standard 2FF SIM, drawer-type sim card slots
- Ethernet 1 x WAN port 10/100 Mbps, compliance with IEEE 802.3, supports auto MDI/MDIX,1.5KV network isolation transformer protection  
4 x LAN ports, 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: red,always on after powered on  
Work: green,blinking when the router is ready and working properly WLAN: green,always solid on when WiFi is enabled and working properly USR:user defined.  
Net indicator:  
Red always on after connected to 2G network  
Green always on after connected to 3G network  
Orange always on after connected to 4G network  
Signal strength: 3 solid bars,strongest signal

##### Terminal block

- Pinout V+,V- : 2 cores terminal power supply socket,built-in power supply phase-reversal protection  
GND: ground terminal  
Tx/B:RS-232/RS485 pin (setup by software)  
Rx/A:RS-232/RS485 pin (setup by software)  
DI:2 x Digital input,passive switch  
DO:2 x Digital open collector output, max output 36 V, 300 mA  
COM: common terminal,use in conjunction with DOs

##### WiFi Interface

- Standards & Frequency IEEE 802.11b/g/n,2.4GHz, AP mode
- Data speed IEEE 802.11b/g,maximum 54Mbps.IEEE 802.11n,maximum 150Mbps
- Antenna 2 x RP-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 industrial terminal block,reverse polarity protection
- Input voltage DC 9~36V
- Working power Average 522mA/12V, Maximum 811mA/12V

##### Serial Interface

- RS485/RS232(alternative) industrial terminal block.  
Note:RS232 default.
- Baud rate(bps) 1200,2400,4800,9600,19200,38400,57600,115200,230400
- Data bits 8
- Stop bits 1,2
- Parity NONE,ODD,EVEN





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## TECHNICAL DATA:

### Gateway

#### Physical Characteristics

- Housing Metal shell,IP30
- Dimensions 125.0\*103.0\*45.0mm (L\*W\*H,antenna pedestal,terminal block and DIN Rail are not included)
- Installation method Ear mounting, DIN-Rail mounting
- EMC Static IEC61000-4-2, level 3  
Pulsed Electric Field IEC61000-4-4, level 3  
Surge IEC61000-4-5, level 3
- Operating temperature -20~+70 °C
- Storage temperature -40~+125 °C
- Operating humidity 5%~95%RH (non-condensing)

#### Others

- Reload Pinhole button,restore factory defaults/firmware resume/firmware upgrading with USB
- TBD Debug interface (TTL Level)
- USB Firmware upgrading
- TF TF card slot
- Ground protection Screw
- Embedded Watchdog Device runs self-detection, auto recovers from malfunctions

#### Certificate

CE

- Network Connection
- WAN protocol PPP, PPPoE, DHCP client
- LAN protocol ARP, DHCP server, NAT, VLAN
- 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

#### Serial modem

- Work mode NET,HTTPD
- Sockets 4 sockets,4centers ,TCPS(SOCKA)/TCPC/UDPS/UDPC
- Modbus RTU to TCP Support
- Device management
- Configuration Web
- Remote management SSH, AT command,SNMP,SMS

#### 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 (IKEv1), OPENVPN protocols
- Service
- DDNS Remote access the device through domain name
- Others NTP client; Timing task; USB firmware upgrade; User defined indicator

