

Industrial IoT Gateway

Industrial Router / RTU / DTU / IOT Gateway



Features

- Dual 4G/LTE, Wi-Fi, PoE WAN
- MQTT Protocol
- VPN connectivity - IPSec, L2TP, Open VPN
- Over the air management and upgrade
- Modbus Master/Slave Feature
- Voltage operating range - 7 to 57V DC
- GPS Optional
- Industrial design, high temperature environment operation



ETHERNET / WIFI TO 4G



RS485/RS232 TO 4G



AIN/DIN TO 4G



GPS LOCATION



VPN, APN



MQTT



LOCAL LOGIC PROCESS



POE POWER SUPPLY



CACHE DATA RESEND



IP MONITOR



SMS/E-MAIL ALARM



ESD ANTI-STATIC

Product Specifications

Network Protocol	PPP, PPPOE, TCP, UDP, DHCP, ICMP, NAT, HTTP, HTTPS, DNS, ARP, NTP, SMTP, SSH2DDNS
Communication Protocol	Transparent transmission, TCP client/server, UDP, MQTT, Modbus RTU, Modbus TCP
VPN tunnel	IPsec, OpenVPN, L2TP
1 WAN	RJ45, 10M/100Mbps
3 LAN port	RJ45, 10M/100Mbps supports POE
4 Analog input	4-20mA, 0-20mA, 0-5v, ADC resolution: 16bit
2 Digital input	Type: dry contact or wet contact range: High level (1) 3-30V, low level (0) 0-1V
2 Digital output	Type: SINK output Load voltage: max 50V Load current: 500mA (single), 625mW
1 RS485	Support data transparent transmission 'Modbus master, Modbus slave
1 RS232	Support data transparent transmission, Modbus master, Modbus slave
WIFI	Antenna qty: 2 frequency: 2.4G speed: 300Mbps (Max) Transmission distance: Up to 100m in open areas
Cellular Network	Cellular Network <ul style="list-style-type: none"> • GSM/EDGE: 900.1800MHz • TD-SCDMA: B34.B39 • TDD: B38, B39, B41 • VVCDMA: B1,B8 • FDD: B1,B3,B8 LTE rate: <ul style="list-style-type: none"> • downstream: 150 Mbps • upstream: 50 Mbps HSPA Rate: • downstream: max 42Mbps (category 24) • Upstream: max 5.76Mbps (category 6)
GPS	Antenna Port Qty: 1 Plane position accuracy: 2.5m Sensitivity: > -148 dBm Protocol: NMEA-0183 V2.3
Power Supply	Input voltage: 9 -57VDC Input current: <ul style="list-style-type: none"> • Normal: 100mA@12V • Max: 800mA@12V Anti-reverse connection Protection: supports
Mechanical Characteristic	Enclosure: Metal Size: 145*114*45mm IP protection: IP30 Net weight: 790g
Working Temperature	Working Environment Working Temperature :-40 ~ 85 °C Storage temperature: -40 ~ 105 °C Relative humidity: 5 ~ 95%
Certifications	CE, FCC, UL, BTL