

4G LTE Cellular Ethernet Bridge/Serial Gateway

The IPn4G provides a secure industrial strength wireless solution using the new and ultra fast 4G LTE network infrastructure. The IPn4G features integrated Firewall, IPSec / VPN Tunneling, IP and MAC Access Control Lists. The IPn4G can transport critical data to and from SMS, Ethernet and Serial RS232/RS485 devices. The optional WiFi can provide services for 802.11 devices!

4G LTE

Firewall / ACL

IPSec / VPN, GRE

SMS Messaging

802.11 WiFi

2 - RS232/485 Ports



Features

- Ultra Fast 4G LTE Operation
- 100Mbps Downlink / 50 Mbps Uplink
- IP Pass-through Mode
- Support for 802.11 WiFi devices
- Firewall with ACL Security, DMZ & Port Forwarding
- Digital I/O 1 Input, 1 Output
- IPSec, GRE / VPN Tunneling
- 2 Serial Com Ports, 1 Ethernet Port, Optional USB
- Integrated GPS (TCP Server, UDP Reporting, SMTP)
- SMS Support: Serial, Ethernet (Telnet), Alerts
- Wide Operating Temperature (-40°C to +85°C)
- User interface via local console, telnet, web browser
- PTCRB Approved



Specifications IPn4G 4G LTE B4/B17 (1700/2100/700 MHz) NAT, NAT-T VPN tunneling, Port for-**Firewall** Supported Bands warding, VPN/GRE pass-through; Global Fallback to: HSPA+/UMTS 850/AWS/1900/2100 MHz Access control lists (IP/MAC filtering), GPRS 850/900/1800/1900 MHz Data origin / integrity Authentication, DMZ Frequency (WiFi) 2.4 GHz, 802.11b/g Local Serial Port Console, Telnet, Management WebUI, SNMP V1/2/3, Wireless Up-Output Power (WiFi) Adjustable / Up to 30dBm grade (HTTP/FTP), RADIUS authenti-**Data Features** cation, AT Command Interface (Serial/ Telnet), Microhard NMS Support Up to 100 Mbps downlink Up to 50 Mbps uplink Serial Interface 1 x RS232 (300 baud to 921k) **Diagnostics** RSSI, Ec/No, Voltage, Temperature, 1 x RS232/422/485 (2/4 wire) Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow **Serial Baud Rate** 300bps to 921kbps **Serial Port Server** -Extensive Serial Port Support: TCP Server & Client / UDP Server & Client / Input Voltage 7-30VDC Modus / PPP / SMS / SMTP / AT command 12-24 VAC (optional) -(2) Com Ports with Extensive RS232/485/422 support Power Running: 90mA - 200mA Consumption @ 12V **Ethernet** 10/100 BaseT, Auto - MDI/X **IEEE 802.3** Connectors: Antenna(s) SMA Female x2 (TX/RX, Diversity) Digital I/O 1 - Input, 1 - Output RP-SMA Female x1 (WiFi) **USB** (Optional) Data RJ-45 (Ethernet) **USB 2.0** Female DB9 x2 **USB Console Port** USB to Serial Data Routing SIM 1.8 / 3.0V (Optional Dual SIM Available) USB to Ethernet Data Routing (NDIS) **Environmental GPS GPS Server GPS UDP Reporting** Operating Temperature -40°C to +85°C GPS SMTP Reporting (Email) -40°F to +185°F Humidity 5-95%, non-condensing SMS SMS to/from Serial RS232/485 SMS to/from Ethernet via Telnet Weight Approx. 250 grams SMS Alerts **Carrier Connection** Dial on Demand, PAP, CHAP, **Dimensions** Approx. 2.25" x 3.85" x 1.5" Idle Time, ICMP Keep Alive, DDNS (57mm x 98mm x 45mm) IP pass-through, Wireless Connection Time-**Approvals PTCRB** out FCC / IC **Network Protocols** TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP, Order Options Modbus Slave (TCP/Serial)

-C1D2

-AC

-WiFi

VPN, IPSec with IKE/ISAKMP; Multiple tunnel support (16); 3DES and up to 256-bit

AES Encryption, Site to Site Tunneling L2TP, GRE, HTTPS, RADIUS

Contact Information

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environments)

802.11b/g Radio

Class 1 Div 2 (for use in hazardous

12-24 VDC / VAC 50/60Hz

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Security