

3G Cellular Ethernet/Serial/USB Gateway

The IPn3G provides a secure industrial strength wireless solution using the 3G network infrastructure for critical data communications. The IPn3G features “Secure Communications” with its Integrated Firewall, IPSec / VPN Tunneling, IP and MAC Access Control Lists. It supports Ethernet, USB, and serial RS232 and RS485 data traffic.

Firewall / ACL

IPSec / VPN, GRE

Industrial Temperature

Low Power

2 Serial RS232/485 Ports

USB 2.0



The IPn3G provides a communications hub bringing together serial (RS232 and RS485), Ethernet, and USB channels into a single box. It provides secure, reliable communications where needed. It features flexible maintenance utilities, secure Firewall, Access Control Lists, IPSec / VPN and Network Management Utilities.

Features of the IPn3G

- **Fast 3G / HSPA Operation**
- **7.2Mbps Downlink / 5.76 Mbps Uplink**
- **Firewall with ACL Security**
- **IPSec, GRE / VPN Tunneling**
- **DMZ and Port Forwarding**
- **Low Power Consumption**
- **2 Serial Com Ports, 1 USB Port, and 1 Ethernet Port**
- **High Power (up to 2W on 850/900 MHz Bands)**
- **Wide Operating Temperature (-40°C to +85°C)**
- **User interface via local console, telnet, web browser**
- **Local and remote wireless firmware upgradable**



IPn3G

Specifications

Supported Bands	HSPA & Quad Band GSM 850/1900/1700-2100 MHz (HSPA) 850/900/1800/1900 MHz (GSM)	Input Voltage	7-30VDC 12-24 VAC (optional)
Data Features	HSPA Up to 7.2 Mbps downlink Up to 5.76 Mbps uplink EDGE/GPRS Multi-Slot Class 12	Power Consumption @ 12V	Running: 90mA - 200mA
TX Power	HSPA - Class 3 (0.25W) GSM 850/900 MHz - Class 4 (2W) GSM 1800/1900 MHz - Class 1 (1W) EDGE 850/900 MHz - Class E2 (0.5W) EDGE 1800/1900 MHz - Class E2 (0.4W)	Connectors:	Antenna SMA Female x3 (TX/RX, Diversity, GPS) Data RJ-45 (Ethernet) Female DB9 Mini-USB SIM 1.8 / 3.0V
Serial Interface	1 x RS232 (300 baud to 921k) 1 x RS232/422/485 (2/4 wire)	Environmental	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, noncondensing
Serial Baud Rate	300bps to 921kbps	Weight	Approx. 235 grams
Serial Port Server	Extensive Serial Port Support. TCP server & client / UDP server & client / Modus /PPP / SMS / SMTP / AT command 2 Communication Port with Extensive RS232/485/422 support	Dimensions	Approx. 2.25" x 3.85" x 1.5" (57mm x 98mm x 45mm)
USB	USB 2.0 USB Console Port USB to Serial Data Routing USB to Ethernet Data Routing (NDIS)	Approvals	PTCRB Approved FCC IC Carrier Specific Approvals
Ethernet	10/100 BaseT, Auto - MDI/X IEEE 802.3	Order Options	
GPS	GPS Server GPS UDP Reporting	-C1D2	Class 1 Div 2 (for use in hazardous environments)
Carrier Connection	Dial on Demand, PAP, CHAP, Idle Time, ICMP Keep Alive, DDNS, IP pass-through	-AC	12-24 VDC / VAC 50/60Hz
Network Protocols	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP		
Security	VPN, IPSec with IKE/ISAKMP; Multiple tunnel support (16); 3DES and up to 256-bit AES Encryption, Site to Site Tunneling L2TP, GRE, HTTPS		
Firewall	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP filtering), Data origin / integrity Authentication, DMZ		
Management	Local Serial Port Console, Telnet, WebUI, SNMP, Wireless Upgrade, RADIUS authentication, AT Command Interface		
Diagnostics	RSSI, Ec/No, Voltage, Temperature, Remote diagnostics, Watchdog, UDP Reporting		

Contact Information

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