

The New 3G / HSPA+ Cellular Ethernet/Serial/USB Gateway

The new IPn3Gb provides a fast, secure industrial strength wireless solution using 3G/HSPA+ network infrastructure for critical data communications. The IPn3Gb features "Secure Communication" with its' integrated Firewall, IPSec VPN Tunneling, IP/MAC Access Control Lists. It supports SMS, Ethernet, USB, and Serial RS232/RS485 data traffic.

Firewall/ACL

Industrial Temperature

IPSec / VPN, GRE

SMS Messaging

USB 2.0

2 - RS232/485 Ports



Features

- **New** - Fast 3G / HSPA / HSPA+ Operation
- **New** - Up to 21 Mbps Downlink / 5.76 Mbps Uplink Over Air
- Firewall with ACL Security, DMZ and Port Forwarding
- IPSec, GRE / VPN Tunneling
- Flexible Power Saving Modes
- Data Usage Alerts (Email, SMS)
- 2 Serial Com Ports, 1 USB Port, and 1 Ethernet Port
- Digital I/O - 1 Input, 1 Output
- SMS Support: Serial, Ethernet (Telnet), Alerts, Reboots
- Wide Operating Temperature (-40°C to +85°C)
- **New** - On Average 25% lower current consumption (than IPn3G)
- User interface via local console, telnet, web browser
- Local and remote wireless firmware upgradable



IPn3G

Specifications

Supported Bands	UMTS/HSPA FDD Bands [MHz] - Six band Band I (2100 MHz), Band II (1900 MHz), Band IV (1700 MHz), Band V (850 MHz), Band VI (800 MHz), Band VIII (900 MHz) 3GPP Release 7 5.76 Mb/s uplink, 21.1 Mb/s downlink or 5.76 Mb/s uplink, 7.2 Mb/s downlink	Carrier Connection	Dial on Demand, PAP, CHAP, Idle Time, ICMP Keep Alive, DDNS IP pass-through
	GSM - Quad Band 850/900/1800/1900 MHz GSM 850 MHz, E-GSM 900 MHz, DCS 1800 MHz, PCS 1900 MHz 3GPP Release 7, PBCCH support	Network Protocols	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP
Data Features	HSDPA cat 14, up to 21.1 Mb/s DL for LISA-U230 GPRS multi-slot class 125, coding scheme CS1-CS4, up to 85.6 kb/s DL/UL EDGE multi-slot class 125, coding scheme MCS1-MCS9, up to 236.8 kb/s DL/UL CSD GSM max 9.6 kb/s UMTS max 64 kb/s	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, RADIUS
		Firewall	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Authentication, DMZ
TX Power	WCDMA/HSDPA/HSUPA Power Class · Power Class 3 (24 dBm) for WCDMA/HSDPA/HSUPA mode	Management	Local Serial Port Console, Telnet, WebUI, SNMP V1/2/3, Wireless Upgrade (HTTP/FTP), RADIUS authentication, AT Command Interface (Serial/Telnet), Scheduled Reboots, Microhard NMS Support, Data Usage Alerts, Power Saving Modes
	GSM/GPRS Power Class · Power Class 4 (33 dBm) for GSM/E-GSM bands · Power Class 1 (30 dBm) for DCS/PCS bands	Diagnostics	RSSI, Ec/No, Voltage, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow
Serial Interface	1 x RS232 (300 baud to 921k) 1 x RS232/422/485 (2/4 wire)	Input Voltage	7-30VDC 12-24 VAC (optional)
	Serial Baud Rate	300bps to 921kbps	Power Consumption (@ 12VDC)
Serial Port Server	-Extensive Serial Port Support: TCP Server & Client / UDP Server & Client / Modem / PPP / SMS / SMTP / AT command - (2) Serial Com Ports with Extensive RS232/485/422 support - Serial Port Logging to Remote Host	Connectors:	UMTS Active Connection Current: Avg. Serial Data: 75mA Avg. Ethernet: 95mA Peak Tx: 275mA
	Digital I/O	1 - Input / 1 - Output	Antenna SMA Female x2 (ANTENNA, Rx Div) Data RJ-45 (Ethernet) Female DB9 x2 SIM Mini-USB 1.8 / 3.0V
USB	USB 2.0 USB Console Port USB to Serial Data Routing USB to Ethernet Data Routing (NDIS)	Environmental	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, non-condensing
	Ethernet	10/100 BaseT, Auto - MDI/X IEEE 802.3	Weight
SMS	SMS to/from Serial RS232/485 SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	Dimensions	Approx. 235 grams
		Approvals	Approx. 2.25" x 3.85" x 1.5" (57mm x 98mm x 38mm)
Order Options			
	Model	IPn3Gb	
	-C1D2	Class 1 Division 2 (for use in hazardous environments)	

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