

## The All New 4G/LTE Dual Ethernet Bridge/Serial Gateway

The all new IPn4Gii provides a feature rich, secure industrial strength wireless solution using the new and ultra fast 4G LTE network infrastructure for critical data communications. The IPn4Gii takes things to the next level by providing features such as Dual Ethernet Ports, Three Serial ports, 8x Digital I/O and Dual SIM Card slots. Offering enhanced, "Secure Communication" with its integrated Firewall, IPSec VPN Tunneling, IP/MAC Access Control Lists, the IPn4Gii really can do everything!

4G LTE

Firewall / ACL

Multi WAN Failover

Dual Ethernet

Programmable I/O

3 - Serial Ports



## Features

- Ultra Fast 4G LTE Operation
- Up to 100Mbps Downlink / 50 Mbps Uplink Over Air
- IP Pass-through Mode
- Data Usage Alerts (Email, SMS)
- Firewall with ACL Security, DMZ & Port Forwarding
- Digital I/O - 8 Analog Inputs/Outputs or 8 Digital Outputs
- IPSec, GRE / VPN Tunneling
- 2 x Serial Data/Console Ports (RS232), 1 Data Port (RS485)
- 2 x 10/100 Ethernet Ports (PoE on WAN Port)
- Multi WAN Failover & Load Balancing
- USB OTG Port (Host, Console, NDIS, Serial Data)
- Standalone 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
- Microhard NMS Support



# IPn4Gii

# Specifications

<b>Supported Bands</b>	LTE FDD (Bands 1-5,7,8,13,17,18,19,20) UMTS   DC-HSPA+ (Bands 1,2,4,5,8) GSM   GPRS   EDGE (Bands 2,3,5,8) 3GPP Protocol Stack Release 9	<b>Firewall</b>	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Authentication, DMZ
<b>Data Features</b>	LTE: DL 100 Mbps, UL 50 Mbps HSPA+: DL 42 Mbps, UL 5.7 Mbps HSPA+: DL 21 Mbps, UL 5.7 Mbps WCDMA: DL/UL 384 kbps EDGE Class 33: DL/UL 236.8 kbps GPRS Class 33: DL/UL 85.6kbps	<b>Management</b>	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
<b>Serial Interface</b>	1 x RS232 Data (Full Support) 1 x RS232 Console/Data (TX/RX) 1 x RS485 Data (2/4 wire)	<b>Diagnostics</b>	RSSI, Ec/No, Voltage, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow
<b>Serial Baud Rate</b>	300bps to 921kbps	<b>Input Voltage</b>	7 - 30VDC or, Passive PoE over WAN port
<b>Serial Port Server</b>	-Extensive Serial Port Support: TCP Server & Client / UDP Server & Client / Modus / PPP / SMS / SMTP / AT command -(2) Com Ports with Extensive RS232/485/422 support	<b>Connectors:</b>	Antenna 3x SMA Female (Cell, Cell Div, GPS) 1x RP-SMA Female (Ant3) Data 2x RJ-45 (Ethernet) 6 PIN Interlock (RS485) 10 PIN Interlock (RS232/Digital I/O) DB9 RS232 USB Micro-AB SIM 2x 1.8 / 3.0V
<b>Ethernet</b>	2x 10/100 BaseT, Auto - MDI/X IEEE 802.3	<b>Environmental</b>	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, non-condensing
<b>Digital I/O</b>	8x Analog Input/Output or 8x Digital Outputs	<b>Weight</b>	Approx. 225 grams
<b>USB (OTG)</b>	USB 2.0 USB Console Port USB to Serial Data Routing USB to Ethernet Data Routing (NDIS) USB OTG (Host)	<b>Dimensions</b>	Approx. 2.25" x 3.85" x 1.5" (57mm x 98mm x 45mm)
<b>GPS</b>	Standalone GPS GPS Server GPS UDP Reporting GPS SMTP Reporting (Email)	<b>Approvals</b>	FCC/IC Carrier Specific Approvals AT&T, Bell, Rogers
<b>SMS</b>	SMS to/from Serial RS232/485 SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	<b>Order Options</b>	
<b>Carrier Connection</b>	Dial on Demand, PAP, CHAP, Idle Time, ICMP Keep Alive, DDNS IP pass-through, Wireless Connection Time-out.	<b>Model</b>	IPn4Gii
<b>Network Protocols</b>	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP, Modbus Slave (TCP/Serial)	<b>-C1D2</b>	Class 1 Div 2 (for use in hazardous environments)
<b>Security</b>	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		

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