

## 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, USB, and Serial RS232/RS485 devices.

4G LTE

Firewall / ACL

IPSec / VPN, GRE

SMS Messaging

Industrial Temperature

2 - RS232/485 Ports



## Features

- Ultra Fast 4G LTE Operation
- 100Mbps Downlink / 50 Mbps Uplink
- IP Pass-through Mode
- 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
- SMS Support: Serial, Ethernet (Telnet), Alerts
- Wide Operating Temperature (-40°C to +85°C)
- User interface via local console, telnet, web browser
- Local and remote wireless firmware upgradable



# IPn4G

# Specifications

<b>Supported Bands</b>	4G LTE AWS 700 MHz (with MIMO) Global Fallback to: HSPA+/UMTS 850/AWS/1900/2100 MHz GPRS 850/900/1800/1900 MHz	<b>Management</b>	Local Serial Port Console, Telnet, WebUI, SNMP V1/2/3, Wireless Upgrade (HTTP/FTP), RADIUS authentication, AT Command Interface (Serial/Telnet)
<b>Data Features</b>	4G LTE Up to 100 Mbps downlink Up to 50 Mbps uplink	<b>Diagnostics</b>	RSSI, Ec/No, Voltage, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow
<b>Serial Interface</b>	1 x RS232 (300 baud to 921k) 1 x RS232/422/485 (2/4 wire)	<b>Input Voltage</b>	7-30VDC 12-24 VAC (optional)
<b>Serial Baud Rate</b>	300bps to 921kbps	<b>Power Consumption @ 12V</b>	Running: 90mA - 200mA
<b>Serial Port Server</b>	-Extensive Serial Port Support: TCP Server & Client / UDP Server & Client / Modem / PPP / SMS / SMTP / AT command -(2) Com Ports with Extensive RS232/485/422 support	<b>Connectors:</b>	Antenna SMA Female x2 (TX/RX, Diversity) Data RJ-45 (Ethernet) Female DB9 x2 Mini-USB SIM 1.8 / 3.0V
<b>USB</b>	USB 2.0 USB Console Port USB to Serial Data Routing USB to Ethernet Data Routing (NDIS)	<b>Environmental</b>	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, non-condensing
<b>Ethernet</b>	10/100 BaseT, Auto - MDI/X IEEE 802.3	<b>Weight</b>	Approx. 235 grams
<b>SMS</b>	SMS to/from Serial RS232/485 SMS to/from Ethernet via Telnet SMS Alerts	<b>Dimensions</b>	Approx. 2.25" x 3.85" x 1.5" (57mm x 98mm x 45mm)
<b>Carrier Connection</b>	Dial on Demand, PAP, CHAP, Idle Time, ICMP Keep Alive, DDNS IP pass-through, Wireless Connection Timeout.	<b>Approvals</b>	PTCRB Approved FCC IC Carrier Specific Approvals
<b>Network Protocols</b>	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP	<b>Order Options</b>	
<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	<b>-C1D2</b>	Class 1 Div 2 (for use in hazardous environments)
<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>-AC</b>	12-24 VDC / VAC 50/60Hz

## Contact Information

Microhard Systems Inc.  
150 Country Hills Landing N.W.  
Calgary, AB, Canada T3K 5P3

Email: [info@microhardcorp.com](mailto:info@microhardcorp.com)  
Tel: (403) 248-0028  
Fax: (403) 248-2762

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