

4G/LTE Dual Ethernet Bridge/Serial Gateway

The IPn4Gii-NA2 provides a secure, industrial strength wireless solution using the ultra fast 4G LTE network infrastructure for critical data communications. The IPn4Gii-NA2 takes things to the next level by providing features such as Dual Ethernet Ports, 3x Serial ports, 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-NA2 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 150 Mbps 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
- 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-NA2

Specifications

Supported Bands	LTE FDD: B2,B4,B5,B12,B13,B14,B66,B71 WCDMA: B2,B4,B5	Firewall	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Authentication, DMZ
Cellular Data Features*	LTE FDD: Up to 150 Mbps DL, 50 Mbps UL LTE TDD: Up to 130 Mbps DL, 35 Mbps UL DC-HSPA+: Up to 42 Mbps DL, 5.7 Mbps UL WCDMA: Up to 384 Kbps DL, 384 Kbps UL	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
<small>*Module Standalone Laboratory Performance</small>		Diagnostics	RSSI, Ec/No, Voltage, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow
Serial Interface	1 x RS232 Data (Full Support) 1 x RS232 Console/Data (TX/RX) 1 x RS485 Data (2/4 wire)	Input Voltage	7 - 30VDC or, Passive PoE over WAN port (Optional)
Serial Baud Rate	300bps to 921kbps	Connectors:	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 (2FF)
Serial Port Server	-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	Environmental	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, non-condensing
Ethernet	2x 10/100 BaseT, Auto - MDI/X IEEE 802.3	Weight	Approx. 225 grams
Digital I/O	8x Analog Input/Output or 8x Digital Outputs	Dimensions	Approx. 2.25" x 3.85" x 1.5" (57mm x 98mm x 45mm)
USB (OTG)	USB 2.0 USB Console Port USB to Serial Data Routing USB to Ethernet Data Routing (NDIS) USB OTG (Host)	Approvals	FCC / IC PTCRB UL Hazloc Carrier Specific Approvals
GPS	Standalone GPS GPS Server GPS UDP Reporting GPS SMTP Reporting (Email)	Order Options	
SMS	SMS to/from Serial RS232/485 SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	Model	IPn4Gii-NA2
Carrier Connection	Dial on Demand, PAP, CHAP, Idle Time, ICMP Keep Alive, DDNS IP pass-through, Wireless Connection Timeout.		
Network Protocols	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP, Modbus Slave (TCP/Serial)		
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		

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