

4G/LTE Dual Ethernet Bridge/Serial Gateway Verizon

The 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

- Certified for use on Verizon Wireless
- 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)
- Wide Operating Temperature (-40°C to +85°C)
- User interface via local console, telnet, web browser
- Microhard NMS Support



IPn4Gii-V1G

Specifications

LTE Features	Category 3 50 Mb/s UL, 100 Mb/s DL FDD Bands 4, 13 3GPP Release 9 FDD channel bandwidth 1.4 - 20 MHz MIMO 2x2 Rx diversity	Firewall	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Authentication, DMZ
Serial Interface	1 x RS232 Data (Full Support) 1 x RS232 Console/Data (TX/RX) 1 x RS485 Data (2/4 wire)	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
Serial Baud Rate	300bps to 921kbps	Diagnostics	RSSI, Ec/No, Voltage, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow
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	Input Voltage	7 - 30VDC or, Passive PoE over WAN port
Ethernet	2x 10/100 BaseT, Auto - MDI/X IEEE 802.3	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
Digital I/O	8x Analog Input/Output or 8x Digital Outputs	Environmental	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, non-condensing
USB (OTG)	USB 2.0 USB Console Port USB to Serial Data Routing USB to Ethernet Data Routing (NDIS) USB OTG (Host)	Weight	Approx. 225 grams
GPS	Standalone GPS GPS Server GPS UDP Reporting GPS SMTP Reporting (Email)	Dimensions	Approx. 2.25" x 3.85" x 1.5" (57mm x 98mm x 45mm)
SMS	SMS to/from Serial RS232/485 SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	Approvals	FCC IC Verizon Wireless
Carrier Connection	Dial on Demand, PAP, CHAP, Idle Time, ICMP Keep Alive, DDNS IP pass-through, Wireless Connection Timeout.	Order Options	
Network Protocols	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP, Modbus Slave (TCP/Serial)	Model	MHS116900 - IPn4Gii-V1G MHS116910 - IPn4Gii-V1G-C1D2
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	-C1D2	Class 1 Div 2 (for use in hazardous environments)

Contact Information

AUTHORIZED DISTRIBUTOR: ControlSystemsUSA.com
Houston, Texas USA
sales@ControlSystemsUSA.com
832-615-3588

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