

1W 900 MHz Wireless Ethernet/Serial/USB Gateway

The Nano IP Turbo Series delivers a high power (1W) wireless link with speeds of up to 1.2 Mbps. The IPn920T operates in the license free 900 MHz Frequency Band, offering an off the shelf solution for reliable wireless communications. This robust and compact Ethernet Bridge and Serial Gateway provides simultaneous serial data and Ethernet communication to extend Serial & IP networks.

Up to 1.2 Mbps

900 MHz

Up to 1 Watt

RS232/485 Serial Data

10/100 Ethernet Data



IPn920T Features

- Supports up to 1.2 Mbps
- Up to 1W transmit power (Adjustable)
- Point-to-Point, Point-to-Multipoint, Repeater, Peer-to-Peer
- Master, Remote & Repeater Modes
- 2 Series Data Ports, 1 USB Port, and 1 Ethernet Port
- Industrial Temperature (-40°C to +85°C)
- Low Power consumption
- Radius Authentication
- Full VLAN Support
- Local and remote management & diagnostics through local console, telnet, WebUI, SNMP (v1,2,3)
- Local and remote firmware updates
- Compact & Robust Design



Specifications

Frequency	902 - 928 MHz	Input Voltage	7-30VDC
Spread Method	Frequency Hopping / DTS	Power Consumption (Typical@ 12V)	Sleep: < 1mA Idle: 35mA Rx: 110mA to 145mA Tx: 350mA to 500mA
Link Rate	276 kbps / 345 kbps / 1.2 Mbps (User Selectable)		
Error Detection	32 bits of CRC, ARQ	Connectors:	Antenna: RPSMA Female Bulkhead Ethernet: RJ-45 Serial: 2x Female DB9 USB: Mini
Encryption	128-bit WEP/WPA (Canada & USA only. NOT AVAILABLE for export, see -AES option)		
Range	Up to 30+ miles (50+ km) @ 1.2Mbps	Environmental	Temperature: -40°F to 185°F (-40°C to +85°C) Humidity: 5-95%, non-condensing
Sensitivity	-97dBm @ 1.2Mbps link rate	Weight	Approx. 250 grams
Output Power	100mW - 1W (20-30dBm)	Dimensions	Approx. 2.25" x 3.85" x 1.50" (57mm x 98mm x 38mm)
Serial Interface	RS232, RS485, RS422	Approvals	FCC / Industry Canada
Serial Baud Rate	300bps to 921kbps		
USB	USB 2.0 USB Console Port USB to Serial Data Routing USB to Ethernet Data Routing	Order Options	
Ethernet	10/100 BaseT, Auto - MDI/X IEEE 802.3	-UL	UL HazLoc (for use in hazardous environments)
Network Protocols	TCP, UDP, TCP/IP, TFTP, ARP, ICMP, DHCP, HTTP, HTTPS*, SSH*, SNMP, FTP, DNS, Serial over IP, QoS (* Only available in -AES)	-AES	128/256-bit AES Encryption, Secure Shell, HTTPS (Canada & USA only. NOT AVAILABLE for export)
Operating Modes	Point-to-Point, Point-to-Multipoint, Store & Forward Repeater, Peer-to-Peer		
Management	Local Serial Port Console, Telnet, WebUI, SNMP, FTP & Wireless Upgrade, RADIUS authentication, VLAN		
Diagnostics	Battery Voltage, Temperature, RSSI, and remote diagnostics		
Rejection	Excellent strong signal interference & rejection characteristics		
Input IP3 (Antenna Connector)	+12 dBm		

Contact Information

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