

making **RF** the strongest link

NL900S

TELEMETRY APPLICATIONS

- Data Terminals
- Water Management
- Remote Data Loggers
- Oil & Gas Monitoring
- Irrigation Control Security Systems

MOBILE APPLICATIONS

- Database Access
- Computer Aided Dispatch
- Vehicle Tracking
- Asset Tracking
- Fleet Management

APPLICATION IDEAS



*Oil and Gas
Monitoring*



Irrigation Control



Data Logging



Water Management

High Speed Industrial Wireless Modem



PRODUCT OVERVIEW

RF Neulink's NL900S stand-alone transceivers can be set up in minutes to virtually cut the cables between RJ45/USB/RS232 devices. Their flexibility and price allows users to quickly upgrade wired terminals to cordless operation in industrial, commercial, even residential applications up to 500 Kbps in Rev 1.

Powered by a 1000mW 900 MHz radio, each unit is small and easily portable for use in mobile and temporary settings as well as for fixed installations. Optional software enables custom configurations based on user needs.

These units implement a proprietary communication protocol to provide secure local data transmissions. Because it uses advanced Error Correction and FHSS technology, the data remains reliable over distances of up to 20 miles line-of-sight (900 MHz). Use of license-free frequency bands ensures that the NL900S is ready to use with no further certification requirements. Every unit is backed by a 30-day guarantee and full warranty with technical support

rfneulink

making **RF** the strongest link
Division of RF Industries

7610 Miramar Road, San Diego, CA 92126-4202
(800)233-1728 or (858)549-6340 Fax: (858)549-6349
Email: rwhite@rfneulink.com Website: www.rfneulink.com



WIRELESS HIGHSPEED ETHERNET TRANSCEIVER

- Sophisticated Error Correction
- 128-bit AES Encryption
- RJ45, USB, DB-9 Serial Input
- TCP/IP – LAN Connection
- 1200 – 500,000 bps Over-the-air
- Wide Area Networking
- Mobile or Fixed Applications
- Supply Voltage 7-28 VDC
- Compact size 4.2" x 4.2" x 1.6"

ORDERING INFO

Contact RF Neulink for details
Call toll-free (800) 233-1728 or
email: rwhite@rfneulink.com

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TECHNICAL SPECIFICATIONS

Interface	NL900S
Interface Connector.....	DB-9 Femal, RJ45, USB
RF Connector	RPSMA Jack
Impedance	50 Ohms unbalanced
Serial Interface Data	1200 bps to 500,000 bps
Power Consumption	500-700 mA @ 12VDC
Channels	32 (USA)
Supported Network Topologies	Point-to-Point, Point-to-Multipoint
Security	128-bit AES security

Operational

Frequency Band	902–928 MHz (USA)
RF Data Rate	1200 bps to 500,000 bps
RF Technology	Frequency Hopping Spread Spectrum or Direct
Output Power.....	1000mW
Supply Voltage	7-28 VDC
Sensitivity @10 ⁻⁶ BER.....	-106 dbm typical @ 250k
Range, Line of Site	Up to 10 miles

Environmental

Temperature (Operating)	-40 C to 80 C
Temperature (Storage)	-40 C to 80 C

Physical

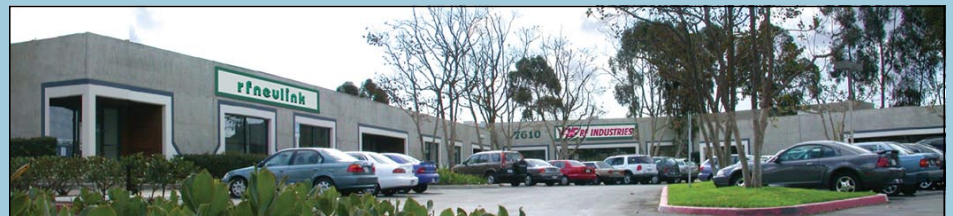
Dimensions	4.2" x 4.2" x 1.6"
Weight	8 oz

Certifications

FCC Part 15.247
Industry Canada (IC)

RF Neulink reserves the right to change specifications of this product at any time without notice and without obligation to notify any person of such changes.

WHO IS RF NEULINK?



RF Neulink has been manufacturing radio link equipment for 30 years. Our line of transmitter and receiver units for point-to-point communications, paging excitors, radio data and control products reflect our experience in this marketplace.

Our publicly held parent company, RF Industries (NASDAQ symbol RFIL), provides a well capitalized base for continued future growth and product development. RF Neulink's customers include Fortune 500 companies, municipalities, government agencies, educational and health institutions, utilities, small companies, casinos, irrigation companies, armed forces here and abroad, and many others that need or want reliable, state-of-the-art, cost-effective communications links.