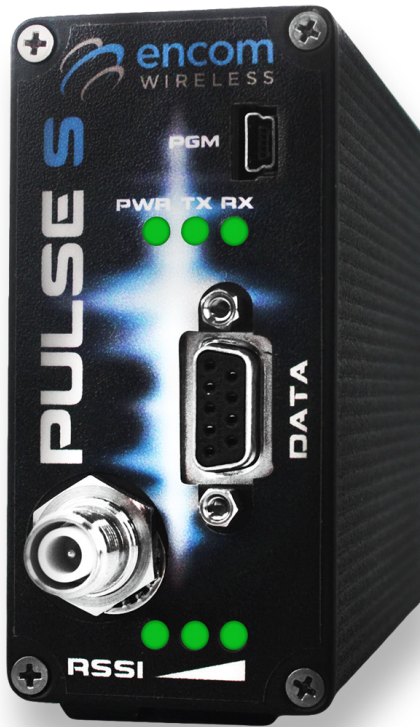


Pulse S

WIRELESS RS232 RADIO MODEM



Example Application



**Configuring, Controlling
and Monitoring your Encom
equipment is EASY with
ControlPAK and Pulse Link!**



www.encomwireless.com

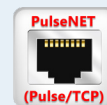
The **Pulse S** is a powerful radio modem that provides RS-232 connectivity to a wide variety of devices.

Commonly used in municipal traffic systems, the Pulse S is easy to install, maintenance-free and will provide years of reliable connectivity for any site application.

The built-in USB 2.0 interface, small form factor, lower power consumption and rugged design, make it 'plug-and-play' compatible with all traffic controllers.

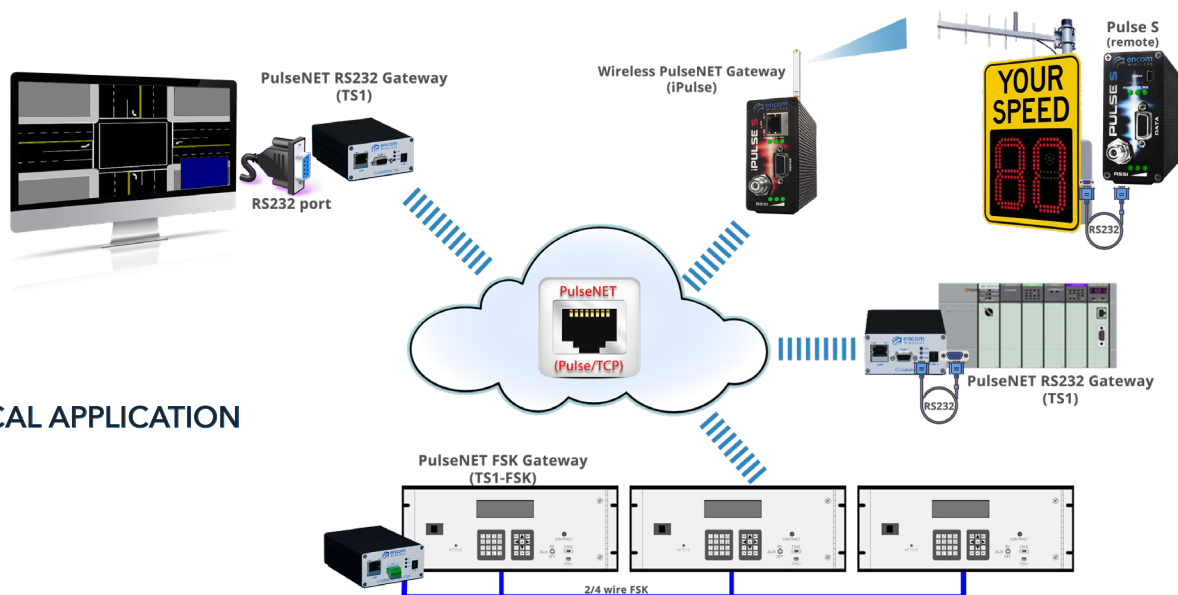
KEY FEATURES

- Plug and Play with all traffic controllers
- Compatible with multiple industry protocols including Modbus & DNP3
- Range of up to 20 miles line-of-sight
- Full 1-Watt transmitter
- 902-928 MHz operating frequency
- High speed throughput up to 115.2 Kbps
- Compatible with Encom Pulse serial radios and PulseNET-enabled products including TS1 and TS-FSK serial gateway devices
- Highly secure AES 128-bit encryption
- Simple and intuitive configuration and diagnostic software with PulseLINK



 **encom**
WIRELESS

TYPICAL APPLICATION



GENERAL SPECIFICATIONS	
Input Power	6-30 VDC
Power Consumption	50 mA @ 12 VDC (configured as Master), 12 mA @ 12 VDC (as remote)
LED indicators	PWR, RSSI, TXD, RSD
Operating Temperature	-40°F to 176°F (-40°C to 80°C), up to 95% humidity RHNC
Enclosure	Milled aluminum, black powder coated, 4.75" W x 1.73" H x 3.75" D
Weight	18 oz.
RADIO SPECIFICATIONS	
Technology	Frequency-hopping spread spectrum (FHSS) with repeater capability
Frequency Range	902-928 MHz, License-free ISM Band
Operating Mode	Master, Repeater and Remote
Configuration	Point-to-Point, Point-to-Multipoint, and Peer-to-Peer
Available Hop Pattern	64
Number of RF Channels	128
Output Power	1 mW, 10 mW, 100 mW, 1 W
Receiver Sensitivity	-110 dBm @ 10-6BER
Error Checking	32-bit CRC
Encryption	32-bit proprietary or 128-bit AES
Antenna Port	RP TNC-F
Certification	FCC, Industry Canada
CONNECTIVITY	
Data Interface	RS232 Asynchronous, DB9F, USB 2.0, Mini-B receptacle
Data Rate	1200 to 115200 Baud
Data Format	Even / Odd / No Parity, 7 or 8 data bits
Handshaking	None / Hardware / Data Framing
Configuration, Monitoring & Control	ControlPAK and PulseLINK
ORDERING OPTIONS	
<ul style="list-style-type: none"> PULSE S: Serial modem, RS232, 902-928MHz 	

**ENCOM radios require professional installation.*

Specifications subject to change without notice. Visit www.encomwireless.com for updates.

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