COMMPAK TS1-FSK

Example Application

LAN   ATC Controllers

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

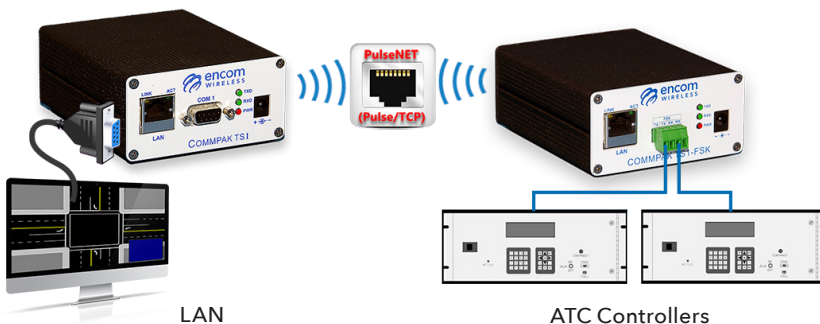The **TS1-FSK** is a gateway between a serial device and an IP-based LAN network.

With TS1-FSK in the system, users can bring their remote legacy serial systems online with any existing IP network.

Commonly used in municipal traffic systems, the TS1-FSK provides a smooth migration path to the latest IP network for existing serial-based traffic controllers, allowing legacy serial hardware and software to be maintained.
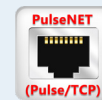
KEY FEATURES

- Effortless IP network migration
- Uses proprietary PulseNET protocol for low latency FSK-over-IP communication
- Compatible with Encom Pulse serial radios and PulseNET-enabled products including iPulse and TS1-FSK wireless serial gateway devices
- Proprietary 32-bit or AES 128-bit encryption
- Small device footprint adapts easily to any equipment cabinet
- Supports cellular connection
- Low power consumption
- Intuitive ControlPAK configuration and diagnostic software

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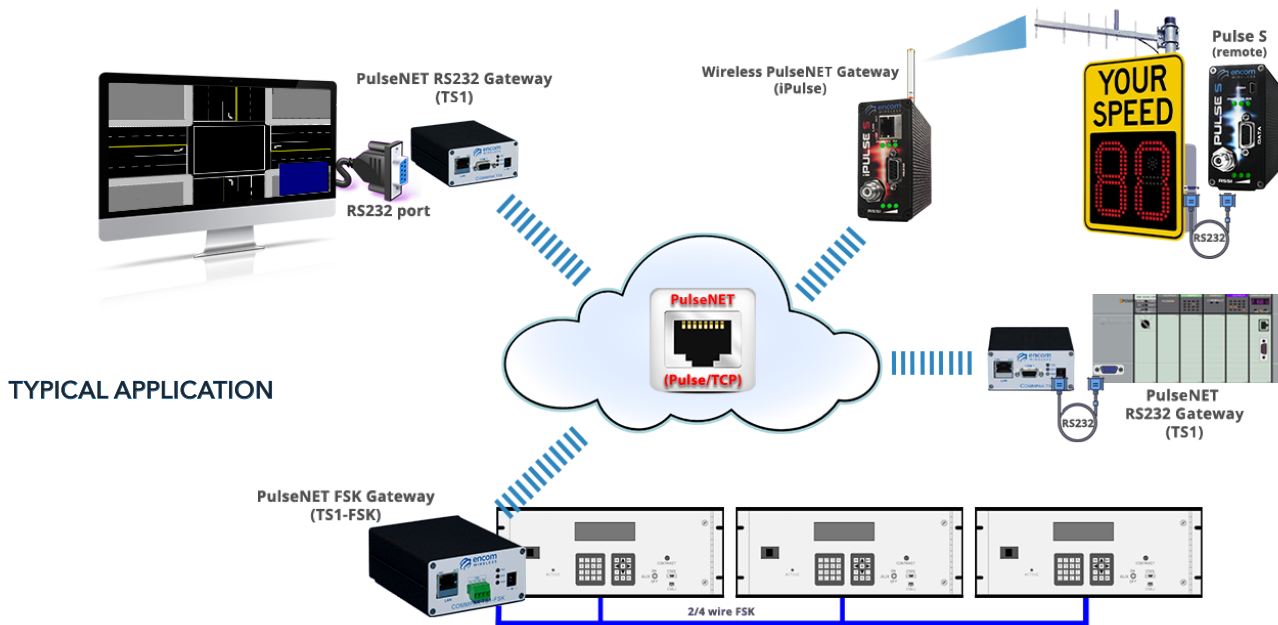
TYPICAL APPLICATION

GENERAL SPECIFICATIONS

Input Power	6–30 VDC
Power Consumption	75 mA @ 12 VDC
LED indicators	PWR, LAN port LINK/ACT, Serial port TXD/RXD
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	12 oz.

FSK PORT SPECIFICATIONS

Modulation	Phase coherent Frequency Shift Keying (FSK) – Bell 202 compatible
Tone Carrier Frequencies (TX & RX)	1200 Hz (Mark) / 2200 Hz (Space)
Baud Rate	1200
Data Format	8N1 / 8N2 / 8E1 / 8O1 / 7E1 / 7O1 / 7E2 / 7O2
Line Impedance	600 ohm +/– 10%
Connector	4-pins Quick Release (3.81mm) Terminal Block

NETWORK PORT

Ethernet Port (10/100Base-T)	1
Protocol	TCP / UDP / ARP / ICMP / DHCP / HTTP / FTP
Encryption	32-bit proprietary or 128-bit AES
Encom PulseNET	Yes
Configuration, Monitoring & Control	ControlPAK

ORDERING OPTIONS

- **TS1FSK:** FSK-to-Ethernet PulseNET Gateway
- **TS1-FSK 58 Bridge Link Kit:** 5.8 GHz 1200 bps FSK bridge link kit

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