EROSE LINK

Smart Mesh Radio

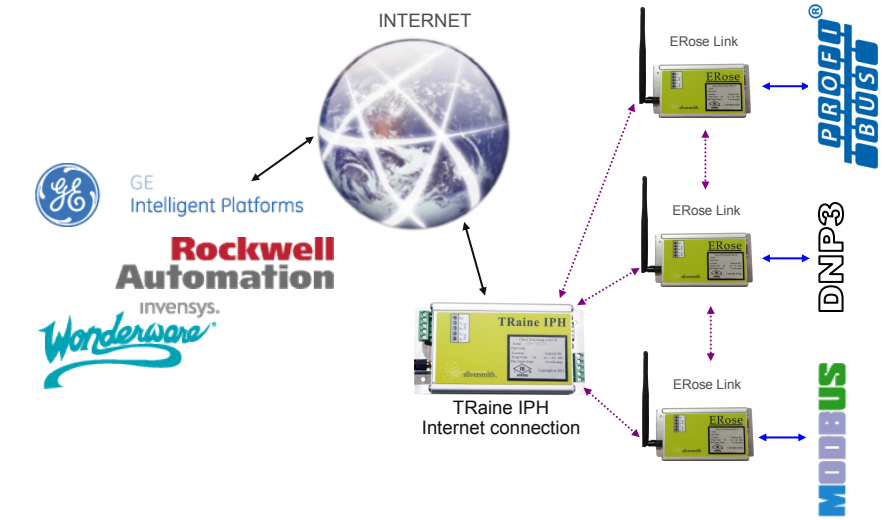
Smart Mesh Communication

The ERose Link is an advanced Smart Mesh radio communication device designed to install and configure quickly, and operate in the toughest environmental conditions. The device relays data packets for most protocols. Modbus, DNP3, and Profibus, to name a few.

The ERose Link uses the Silversmith direct path routing protocol to move packet data by hopping from one device to another; around hills and other obstacles to the back haul (i.e. Internet). Data is delivered reliably with the least power consumed and the fewest retries in the industry.

The unit has built in LED indicators and advanced configuring software, allowing a user to install and connect to other ERose Links in minutes.

At the other end, receiving the data, is the TRaineIPH internet host device that receives data packets from remote servers like Wonderware and Factory Talk. The packets are then delivered reliably to your field devices.



Electrical

◊ Input power 6-30 VDC.
◊ 13 mA continuous current draw @12 VDC.
◊ Class 1, Div 2 rated.

Communication

◊ 2 RS232 Ports.
◊ 2 RS485 Ports.
◊ Built in 900MHz Spread Spectrum Radio.

Physical

◊ Operation Temp: –20°C (-4°F) to 60°C (140°F).
◊ Size: 6” x 3” x 1”.
◊ Weight: approximately 2 lbs.
◊ Enclosure: Aluminum. (optional) NEMA 4x enclosure.

Other Features

◊ Programmable real time clock (auto on/off).
◊ Connect to multiple devices at once.
◊ IP Compatible (with serial to IP convertor).
◊ External antenna mounting (RSMA connector).
◊ Programmable radio hopping channels.
◊ Scalable 10mw to 1W radio.

BENEFITS

◊ Easy installation and setup.
◊ Reliable for mission critical data.
◊ Fewest data collisions and retries in the industry.
◊ Supports many communication protocols.
◊ Low power consumption.
◊ FM listed Class 1, Div 2.

With a background specializing in critical oil field communications, Silversmith is a proven expert with our patented communication structure.

We are committed to staying on the cutting edge of reliable remote communication and data gathering needs.

For more information, scan the QR Code:

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