Transmit remote data with 900-MHz Ethernet radio family

MIDDLETOWN, Pa. – Phoenix Contact has added a basic version of the Trusted Wireless Ethernet (TWE) radio. The TWE-Basic (RAD-ISM-900-EN-BD/B) transmits Ethernet data from remote locations, even in high interference environments.

The "basic" nature of the product indicates the removal of the standard RS-232 and RS-485/422 ports. In addition, the TWE-Basic is a "slave-only" device, so it must be used in conjunction with a standard TWE or TWE-BUS radio acting as the master. Like the other Trusted Wireless radios, the basic version features the MOTR-9™ radio platform, a 1-watt, frequency-hopping spread spectrum (FHSS) transceiver. It operates in the license-free 902-928 MHz ISM band.

The MOTR-9 radio lets the user configure over-the-air data rates up to 500 kbps. Adjustable packet sizes maximize data speed and minimize latency. The radio also incorporates selectable 128/192/256-bit AES encryption to prevent unwanted intrusion and keep data secure.

The TWE family also includes the RAD-ISM-900-EN-BD and the RAD-ISM-900-EN-BD-BUS. Both of these modules are freely configurable as a master, slave, or repeater and include RS-232/422/485 ports for integrating serial devices into IP-based networks. The bus version also features an integrated expansion bus for connecting analog, digital, and pulse I/O modules that are addressable via Modbus.

Any network PC with a web browser can configure the devices via simple, IT-friendly embedded software. The entire family is listed for use in Class I, Division 2 hazardous locations.

About Phoenix Contact
Phoenix Contact develops and manufactures industrial electrical and electronic technology products that power, protect, connect and automate systems and equipment for a wide range of industries. Phoenix Contact GmbH & Co. KG, Blomberg, Germany, operates 47 international subsidiaries, including Phoenix Contact USA in Middletown, Pa. Phoenix Contact's formal Integrated Management System is registered to ISO quality, environmental and safety standards (ISO 9001:2008, 14001:2004 and OHSAS 18001:2007).

For more information about Phoenix Contact's line of Trusted Wireless Ethernet radios, visit http://www.phoenixcontact.com/twe, or call technical service at 800-322-3225, e-mail info@phoenixcon.com.

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