News Release

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Ethernet Radio Provides Flexible and Secure I/O Capability

MIDDLETOWN, Pa. -- Phoenix Contact introduces the RAD-80211-XD-BUS, a Wireless Ethernet Radio with modular I/O and firmware capabilities. The radio, the newest addition to the RAD-80211…series, combines truly secure wireless communication with control of up to eight I/O modules.

Up to 64 digital, analog and pulse I/O can be interfaced directly to the radio. This flexibility saves installed cost for distributed Ethernet wireless I/O monitoring and control applications.

The I/O modules can be addressed via Modbus TCP or legacy serial Modbus RTU over the 802.11 network. This allows a standard solution for facilities undergoing incremental upgrades. Multiple wireless communications streams allow simultaneous Ethernet, I/O control, and serial ASCII device communications – all from a single radio without external gateways or additional serial wireless converters.

The radio has individual I/O module fault response modes and has received Class I, Div. 2 approval, making it suitable for applications in difficult environments. It features 802.11i/WPA2 security with AES and 802.1x, the most advanced security measures available.

The XD-BUS radio includes the new firmware revision 2.4.1, which is also available in the complete RAD-80211… Ethernet radio line. New functions include enhanced serial ASCII com server functionality, RS-232/485 data rates expanded up to 460 kbps and a new link-monitoring diagnostic function.

Phoenix Contact is a world leader in electrical connection, electronic interface and industrial automation technologies. Phoenix Contact USA, located in Middletown, Pa., is a subsidiary of Phoenix Contact GmbH & Co. KG of Blomberg, Germany, which operates 40 subsidiaries and employs more than 9,300 people around the world. The company's Integrated Management Systems include a formal Quality, Environmental and Safety program that meets International Standards Organization's (ISO) requirements (ISO 9001: 2000, ISO 14001: 2004 and OHSAS 18001:1999).

For more information on Ethernet radios or any Phoenix Contact product, visit www.phoenixcon.com, or call technical service at 800-322-3225, e-mail info@phoenixcon.com.

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