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Courier-115™ Royalty-Free Software for Infrared Wireless Communication

The News:

Vishay Intertechnology, Inc. (NYSE: VSH) continues to broaden its optoelectronics portfolio with the release of Courier-115™, a royalty-free wireless software protocol for devices that are based on Texas Instruments' MSP430 microcontroller platform. Targeting the data logger, personal biometer, and industrial metering markets, Courier-115 provides the basis for simple and fast infrared communication supporting data rates up to 115 kbit/s. With Courier-115 and any of Vishay's infrared transceivers, products like glucose meters or water meters can feature extremely low-cost, proprietary wireless communication. As a global leader in providing infrared wireless solutions, Vishay provides the wireless hardware and software expertise while customers focus on their product design and development.



Features:

- Simple and fast communication with throughput up to 10 Kbyte/s
- Free protocol and driver library, easily invoked by customer's application
- Low-cost infrared transceivers
- Unregulated infrared medium – does not require compliance testing or certification
- Small code size
- Small RAM size
- Member of Texas Instruments Third Party Network

The Key Applications:

- Industrial and utility meters
- Data loggers, including temperature sensors
- Personal biometers, including glucose meters



New Product Info



Product Group: Vishay Semiconductors, IRDC / February 2008

The Perspective:

RF and infrared communication technology co-exist in a number of metering applications, but infrared provides the more convenient means for high-volume device calibration, initialization, and launch in a manufacturing environment. While RF is commonly used for wireless meter reading in the field, infrared is a much faster medium for downloading firmware updates. The low cost of infrared communication helps manufacturers fill these critical application gaps.

Availability

A development kit is available to demonstrate the features and speed of Courier-115. Infrared transceivers are already in high-volume production.

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