

## ICP DAS USA Releases New RF Modem

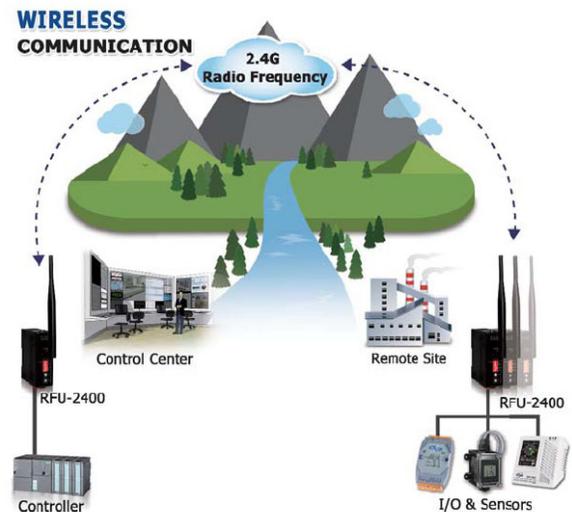
ICP DAS USA introduces new RF Modem, designed for data acquisition and control applications between a host and remote sensors. The RFU-2400 is a 2.4 GHz radio frequency modem that also provides RS-232 and RS-485 port interfaces. It is designed to act as a wireless bridge that converts a signal between serial and wireless formats, and is useful for applications where it is inconvenient to install physical wiring. The RFU-2400 makes it easy to establish a low cost environment for data acquisition and control applications between a host and a range of remote sensors via wireless communication.

The RFU-2400 is a spread spectrum radio frequency (RF) standard. The IEEE 802.15.4 standard is operating on the ISM range of between 2405 and 2480 MHz that is separated into channels. Two operating modes are also supported, including distinguishing feature is that it allows full-duplex which allows half-duplex functionality in multi-point communication.



modem based on the IEEE 802.15.4 bands using a transmission frequency 5 MHz segments, thereby providing 16 Peer-to-Peer (P2P) mode, where the communication, and Broadcast mode,

For normal operations, the RFU-2400 is configured with an external DIP and Rotary Switches. In addition, ICP DAS provides a Windows-compatible GUI configuration utility, allowing configuration with various communication parameters via an RS-232 /RS-485 / RS-422 connection. For example, the configuration utility can be used to increase the transmission power when a line of sight communication range that is greater than the default of 180/700 meters is required.



Established in 2001, ICP DAS USA is an industrial automation manufacturer committed to providing reliable, cost-effective, and flexible embedded control and data acquisition solutions. Our technology is utilized by system integrators, OEMs, and industrial users in a wide variety of industries, such as energy and power, factory and machine, oil and gas, agriculture, and aerospace.

To learn more about the variety of ideas and real projects integrated with ICP DAS hardware, visit [www.icpdas-usa.com](http://www.icpdas-usa.com), or call 1-888-971-9888 to be assisted in reviewing project requirements, to ensure that the highest quality solution in your final application.