

PRESS RELEASE

Radiocrafts launches a new generation ultra small, low cost, high performance IEEE 802.15.4 modules at 2.4 GHz

Oslo, Norway, 2010-02-09

Radiocrafts AS, a leading provider of compact RF modules, now expands their product line with two new modules, the low cost RC2400 and RC2400HP. These are IEEE 802.15.4 modules designed for ZigBee® PRO, 6LoWPAN and other protocols based on IEEE 802.15.4. A ZigBee PRO compliant stack is available free of charge.

Typical applications include Smart Meter Reading (AMR, AMI, Smart Grid), Building Automation, Health Care, and wireless sensor networks/M2M. Operation at the 2.45 GHz licence free band enables world-wide usage.

The module is a complete RF system solution including a high performance multi-channel DSSS radio transceiver and a packet protocol handler. The internal microcontroller holds up to 256 kB Flash memory and 8 kB of RAM making room for an advanced application, including a ZigBee Smart Energy (SE) compliant solution. The RC2400HP also includes a range extension LNA and Power Amplifier with 100 mW output power and this can give up to 8 times the range compared to RC2400 in line of sight.

The compact modules, measuring only 12.7 x 25.4 x 3.3 mm, make up a complete RF modem in one single tiny package, replacing tens of components compared to a discrete design. No external components are required, except an antenna. The modules are delivered on tape and reel for efficient volume production. It's small size and low power consumption makes it ideal for integration into size constrained battery operated equipment.

The modules are based on Radiocrafts new low-cost module platform, and have been developed for volume applications with a very competitive price target. The new modules are pin compatible with the RC11x0 series, including the wireless M-Bus series, giving the customer a complete range of replaceable modules at 433, 868, 915 and 2450 MHz.

"The RC2400 and RC2400HP enhance our ZigBee/IEEE 802.15.4 offerings with state of the art technology. We are especially excited about the RC2400HP setting the industry standard with high performance in an ultra small package. A 119 dB link budget in such a small footprint is very impressive." says Ørjan Nottveit, Product Line Manager.

The RC2400 and RC2400HP are pre-certified for operation under the European radio regulations for license-free use. Both modules are also designed for operation under the FCC regulations.

"Equipment manufacturers can now get a complete low cost wireless solution in a small compact form-factor that is easy to integrate. OEM manufacturers without RF design knowledge can now easily add a robust wireless solution to their space limited products, and significantly reduce time-to-market, development and compliance testing cost", says Tom Sjølie, Sales and Marketing Director.

Modules and Demo Kits are available now.

###

For further information please contact:

Tom Sjølie, Sales and Marketing Director, Radiocrafts AS:

Tel: +47 906 55 358, email: t.sjolie@radiocrafts.com

About Radiocrafts AS: (www.radiocrafts.com)

Radiocrafts is a leading RF module design and manufacturing company. Radiocrafts' standard RF modules provide compact, easy-to-use, low cost, low power and high performance RF solutions for a large number of wireless applications using license-free ISM bands. Using modules OEM manufacturers without RF design knowledge can easily add wireless technology into their design, reducing time-to-market, cost of design, test and compliance approvals. Radiocrafts also offers custom and application specific product development, supporting customers from initial project ideas to volume product delivery.