

PRESS RELEASE

Radiocrafts launches world's first Wireless M-Bus RF module

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Radiocrafts AS, a leading provider of compact RF modules, now expand their product line with a compact Wireless M-Bus RF module for use in Automatic Metering Reading (AMR) applications. This is the first compact all-embedded module compliant with the new Wireless M-Bus standard available in the market.

The Wireless M-Bus standard (EN 13757-4:2005) specifies the communication between water, gas, heat and electricity meters or concentrators. The standard is becoming widely accepted in Europe as a basis for new Advanced Metering Infrastructure (AMI) installations.

The RC1180-MBUS RF Transceiver Module is a compact surface-mounted high performance module measuring only 12.7 x 25.4 x 3.3 mm including shielding, replacing tens of components compared to a discrete design. The module is delivered on tape and reel for volume production.

The module is very easy to use having a UART interface for serial communication and configuration, and a one-pin antenna connection. The new module supports two-way communication, enabling not only meter reading but also valve control and data acknowledgement. It meets the Wireless M-Bus specification for all S1/2, T1/2 and R2 modes, and operates at 12 channels in the 868 MHz frequency band.

The RC1180-MBUS module is pre-certified for operation under the European radio regulations for license-free use. When used with quarter-wave antennas a line-of-sight range of 500-600 meter can be achieved.

The module is designed for use in battery operated systems with up to 20 years of battery lifetime.

“By launching the first Wireless M-Bus module we have again demonstrated our technological leadership in embedded wireless solutions. The emerging AMI market and the new standard has created a huge demand for this product, and we are already working with large pilot customers.”, says Peder Martin Evjen, Managing Director.

“Meter manufacturers, system integrators and AMI providers can now get a complete Wireless M-Bus solution in a small compact module form-factor that is easy to integrate into meters and gateways. OEM manufacturers without RF design knowledge can now easily add a fully compliant M-Bus solution to their space limited products, and significantly reduce time-to-market, development and compliance testing cost”, says Tom Sjølie, Sales and Marketing Director.

The module and Demo Kits are available now.

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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.