

PRESS RELEASE

Radiocrafts launches ZigBee® Network Module

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Radiocrafts AS, a leading provider of compact RF modules, now expand their product line with a compact ZigBee Network Module (ZNM) for use in ZigBee based mesh networks. The ZNM module offers the complete ZigBee network protocol in a small module with an easy to use API interface. By using the new ZNM module, ZigBee applications can be built with minimum effort, reducing time to market.

ZigBee is a standard for monitoring and control applications using low power radio networking. The standard is becoming increasingly popular as a basis for new wireless mesh networks.

The new wireless module is targeting applications like industrial sensor networks, building automation and home automation systems. This is the smallest all-embedded module designed for ZigBee available in the market.

The RC2300-ZNM module is a compact surface-mounted high performance module measuring only 12.7 x 25.4 x 2.5 mm including EMC shielding and integrated antenna. The module is delivered on tape and reel for volume production.

The module is very easy to use having a UART or SPI interface for serial communication and configuration. The ZigBee application runs in any external controller, communicating with the module by an easy-to-use API. With only 10 API calls, a complete application can be made. The new module supports all features of the ZigBee 2006 standard.

The RC2300-ZNM module is pre-certified for operation under the European, FCC and ARIB radio regulations for license-free use. It operates at 16 channels in the 2.45 GHz frequency band. When used with quarter-wave antennas a line-of-sight range of 250 meter can be achieved. Indoor range is typically 10 – 30 meter. The module is designed for use in battery operated systems using sleep mode with less than 1 uA.

“The ZigBee Network Module is another proof of our dedication to making RF easy. We have integrated a complex mesh network protocol into a tiny module. The emerging wireless sensor market and the ZigBee standard have created a huge demand for this product”, says Peder Martin Evjen, Managing Director.

“OEM manufacturers, system integrators and application designers can now get a complete ZigBee solution in a small compact module form-factor that is easy to integrate into any product. Manufacturers without RF design knowledge can now easily add a fully compliant ZigBee solution to their space limited products, and significantly reduce time-to-market and development cost”, says Tom Sjølie, Sales and Marketing Director.

The module, Demo Kits and PC development tools 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.