

PRESS RELEASE

Radiocrafts launches new low cost high power RF module for the 868 MHz ISM band

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Radiocrafts AS, a leading provider of compact RF modules, now expand their RC232 product line family with a completely new high power module, the RC1180HP-RC232. The module is pin compatible with the existing RC11xx-series, and enables extended range using the same low-cost design philosophy applicable for the whole RC11xx product family.

The RC1180HP-RC232 (868 MHz) module is certified for operation up to 500 mW under the European radio regulations for license-free use. When used with quarter-wave antennas a line-of-sight range of over 3 km can be achieved.

The compact RC1180HP-RC232 module, measuring only 12.7 x 25.4 x 3.3 mm, sets a new standard of integrating high power technology into 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.

“This miniaturisation of a high power module without compromising the design goals of providing a low cost high performance module, is unique in the industry. The backward compatible properties, both hardware pin-out and the embedded protocol, with the already existing RC11xx-RC232 series, makes the RC1180HP-RC232 an ideal building block for both new and existing customers when range extension is required.”, say Tor-Anders Lunder, Product Line Manager.

The module is a complete RF system solution running on the existing industry proven RC232™ protocol, with an easy-to-use UART interface for both configuration and communication. The embedded RC232™ protocol provides a point-to-multipoint solution with individual addressing or broadcast, and CRC check for signal integrity. The module can also be used as a wireless RS232 / RS485 cable replacement.

Modules 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.