

metraTec® QR15 HF RFID Modul

RFID technology offers manufacturers of machinery, terminals and other devices a variety of useful and innovative Applications: Checking consumables, automatic User configuration, access control, contactless payment and e-ticketing solutions, certification of product authenticity, etc.

No matter in which area you are active and which product idea you want to realise - the QR15 RFID module from metraTec offers you the possibility to easily and cost-efficiently equip your products with RFID functions. Simply plug the QR15 module onto your board and you can read/write RFID transponders according to ISO15693 (e.g. ICode or Tag-It) with reading ranges up to 70 mm with the internal antenna.

By using this plug-in module, you can bring tested hardware and firmware to market in the shortest possible time. Modular approval for FCC/IC certification is already planned for the module. ETSI measurements are also available on request.

Matching hardware

- QR14 HF RFID module for MIFARE® protocol
- UDB Mini Development Board for a fast integration
- Integration of service and advice



Technical specification

Description	QR15 HF RFID Modul Version 2
Functional principle	Short Range HF RFID Modul
Operating frequency	13.56 MHz
Antenna	internal Antenna 50 x 50 mm
Maximum performance	250 mW
Reading range	up to 70 mm (depending on transponder)
RFID protocol	ISO15693 (z.B. ICode, SLI, Tag-IT HFi, etc.)
Communication	5 V UART (115,200 Baud)
Power supply	5 V DC
I/Os	8 x 3,3 V Input/Output (konfigurierbar)
Dimensions	51 x 51 mm
Operating temperature	-20°C to +70°C

And for the quick development: The QR15 RFID Starter Kit



At a glance

- Fast and cost effective implementation of RFID projects
- Integration of RFID features without special HF knowledge
- Flexibility with plug-in module

About metraTec

metraTec develops, produces and distributes radio electronics for the fields of "identification", "localization", "communication" and "wireless power transmission" and thus serves a variety of markets with standard products as well as special solutions. Customers include OEM customers, system integrators and research institutions worldwide.

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