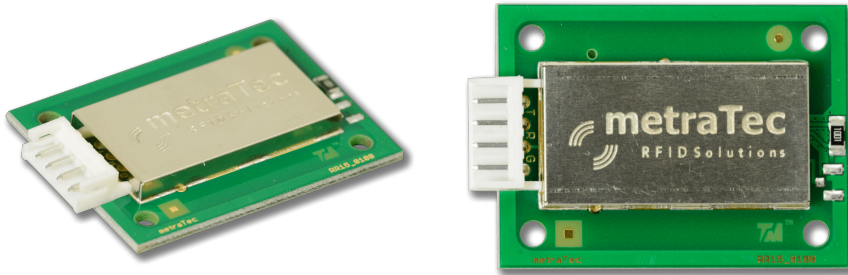


RR15 HF RFID OEM Module

Art. no.:
22003227



- Easy integration
- Reads ISO1596 tags
- Integrated Antenna



RR15 HF RFID OEM Module

Add RFID anywhere in your product and read ISO 15693 transponders quickly with this OEM RFID module. Its small form factor of only 50 x 30 mm can be fitted into almost any product. With the integrated antenna, the read range for an ISO 15693 transponder is up to 70 mm (depending on the tag size).

Integrating the module into your host system via a 3.3V UART is easy due to the many existing libraries and SDKs, eg. for Python, Java and ANSI-C with examples for Raspberry Pi, Arduino, and RTOS (Zephyr).

Typical usage scenarios for the RR15 are identification of replaceable parts inside machines, checking consumables for best-before dates and authenticity as well as various logistics applications where 13.56MHz RFID is still the prevailing standard.

For an even easier start, metraTec offers the RR15 Starter Kit which not only includes one module but also the matching cables, UART to USB converter and a number of compatible RFID tags.

Metratec GmbH
Niels-Bohr-Str. 5
39106 Magdeburg, Germany
T: +49 (0)391 251906-00
Mail: sales@metratec.com
www.metratec.com

US Office
Metratec USA
6 Liberty Square #2073
02109 Boston, MA, United States
T: +1 (857) 799-3795
Mail: us@metratec.com



RR15 HF RFID OEM Module

Art. no.:
22003227



Technical Specification

Operating Principle	ISO15693 RFID Embedded Module
Operating Frequency	13.56 MHz (worldwide)
Antenna Connector	50 x 30 mm integrated loop antenna
Output Power	200 mW
Read Range	up to 70 mm (depending on tag type and size)
Supported Protocols	ISO15693 incl. all custom commands
Connectivity	3V3 UART (115,200 Baud)
Operating Voltage	5V DC
Power Consumption	idle: 20 mA, RF on: max. 150 mA
Temperature Range	-20 °C to +70 °C
Dimensions	50 x 30 x 5 mm / 2 x 1.2 x 0.3 inch

About Metratec

Metratec develops, produces and sells Radio electronics for the areas of "Identification", "Localization", and "Communication" and thus serves a variety of markets with standard products as well special solutions. Customers include OEM customers, system integrators and research facilities worldwide.

Metratec GmbH
Niels-Bohr-Str. 5
39106 Magdeburg, Germany
T: +49 (0)391 251906-00
Mail: sales@metratec.com
www.metratec.com

US Office
Metratec USA
6 Liberty Square #2073
02109 Boston, MA, United States
T: +1 (857) 799-3795
Mail: us@metratec.com

