

metraTec® UM14 HF RFID USB Module

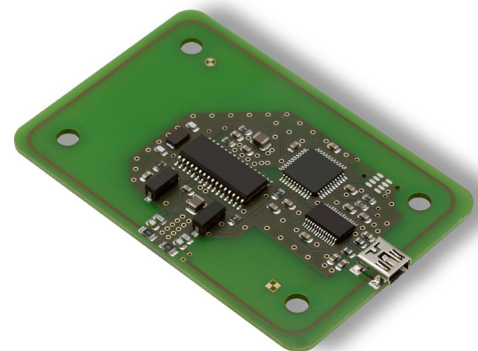
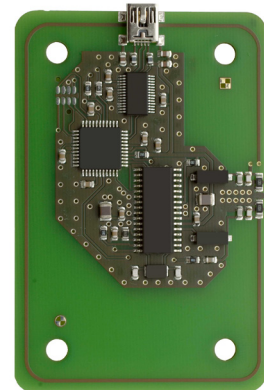
RFID technology offers manufacturers of machines, terminals and many other devices a variety of useful and innovative application scenarios: Checking consumables, saving user configurations, access control, cashless payment, e-ticketing, anti-counterfeiting....

Thanks to its USB interface, the UM14 USB module can be integrated into your system in no time and enables you to read and write tags according to ISO 14443A and MIFARE® (as long as they are not password protected). The reading range is around 5 - 10 cm depending on tag type. Reading several tags at the same time is also possible (anti-collision feature).

The device is powered via the USB bus which leads to a minimum installation effort. Thanks to the drivers for many operating systems (Windows, Linux, Mac OS) the device can be used in various software environments. Even special features of the RFID chip (e.g. in SmartMX transponders with JCOP OS) can be used without firmware modifications, thanks to the transparent command mode of the UM14.

Applications

- Read ID documents, member cards, etc.
- Configure access systems, employee attendance systems, etc.
- Read/write transponders directly from your device



Technical Specification

Operating Principle	HF Short Range RFID USB Module
Operating Frequency	13.56 MHz
Antenna	Internal Antenna
Read Range	up to 70 mm
Supported RFID Protocols	MIFARE Classic®, MIFARE Ultralight®, others on request
Operating Voltage	5 V DC over USB
Current Consumption	idle: 20 mA, RF on: max. 180 mA
Communication	USB (via Mini-USB Connector)
Temperature Range	-20 °C to +70 °C
Dimensions	60 x 90 mm

At a Glance

- Power over USB
- Integrated Antenna
- Easy Integration into your Application

About metraTec

metraTec develops, manufactures and sells RF hardware for the product segments „Identification“, „Localization“, „Communication“ and „Wireless Power“. It serves a variety of industries, both with standard products as well as custom solutions. Our customers are system integrators, OEM customers as well as research institutes world wide.

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