

## metraTec® UM15 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 UM15 USB module can be integrated into your system in no time and enables you to read and write tags according to ISO 15693 without reading standards or doing RF engineering. The reading range is around 5 - 10 cm depending on the tag type and size. 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. tags with sensor) can be used without firmware modifications, thanks to the transparent command mode of the UM15.

## 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 80 mm                     |
| Supported RFID Protocols | ISO15693 incl. Custom Commands  |
| Operating Voltage        | 5 V DC over USB                 |
| Current Consumption      | idle: 15 mA, RF on: max. 120 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.

## Contact

metraTec GmbH  
 Niels-Bohr-Str. 5  
 39106 Magdeburg  
 Germany

Tel.: +49 (0)391 251906-00  
 Fax: +49 (0)391 251906-01  
 Email: [sales@metratec.com](mailto:sales@metratec.com)  
 Web: [www.metratec.com](http://www.metratec.com)

