

metraTec® UMG2 UHF RFID USB Module

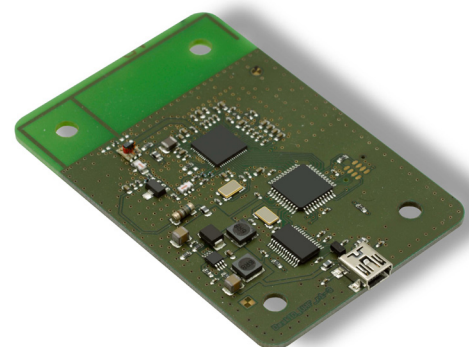
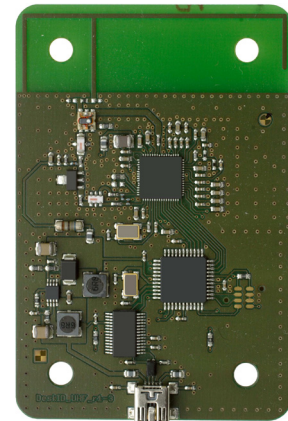
RFID technology offers manufacturers of machines, terminals and many other devices a variety of useful and innovative application scenarios: Checking consumables, saving user configurations, anti-theft applications, more transparency in logistics....

Thanks to its USB interface, the UMG2 USB module can be integrated into your system in no time and enables you to read and write UHF tags according to the EPC Class 1 Gen 2 standard. The reading range is between 10 and 30 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. Thanks to the easy ASCII protocol, writing your own software is a quick task which gives you the shortest time-to-market possible for your UHF RFID project.

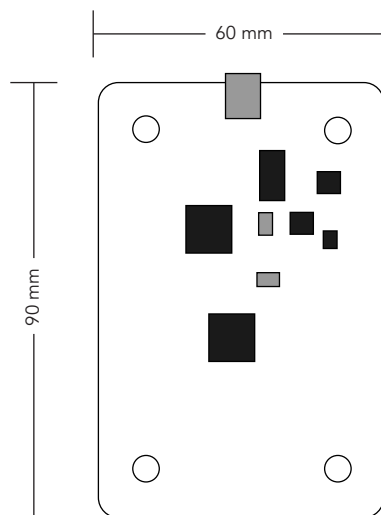
Applications

- Innovative concepts at the point of sale
- Integration into cash desk systems
- Read/write UHF transponders directly from your device



Technical Specification

| | |
|--------------------------|---------------------------------|
| Operating Principle | UHF Short Range RFID USB Module |
| Operating Frequency | 868 MHz (ETSI UHF) |
| Antenna | Internal Antenna |
| Read Range | up to 300 mm |
| Supported RFID Protocols | EPC Class 1 Gen 2 |
| Operating Voltage | 5 V DC over USB |
| Current Consumption | max. 250 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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