

OEM RFID/NFC READER



**OVERVIEW OF FUNCTION
RANGE AND BENEFITS OF THE
883 RFID/NFC READER.**

INTRODUCTION

Our 883 RFID/NFC reader is a scalable OEM contactless reader for all common contactless card protocols as well as NFC. The 883 is a complete OEM module for die integration RFID functions into devices, components or systems.

With the new 883 we have incorporated all of experience in RFID and NFC design. The reader has multiple interfaces (e.g. WIFI/BLE, Ethernet, USB, RS232), a secure chip included and has a SAM connector to load any necessary keys onto the device.

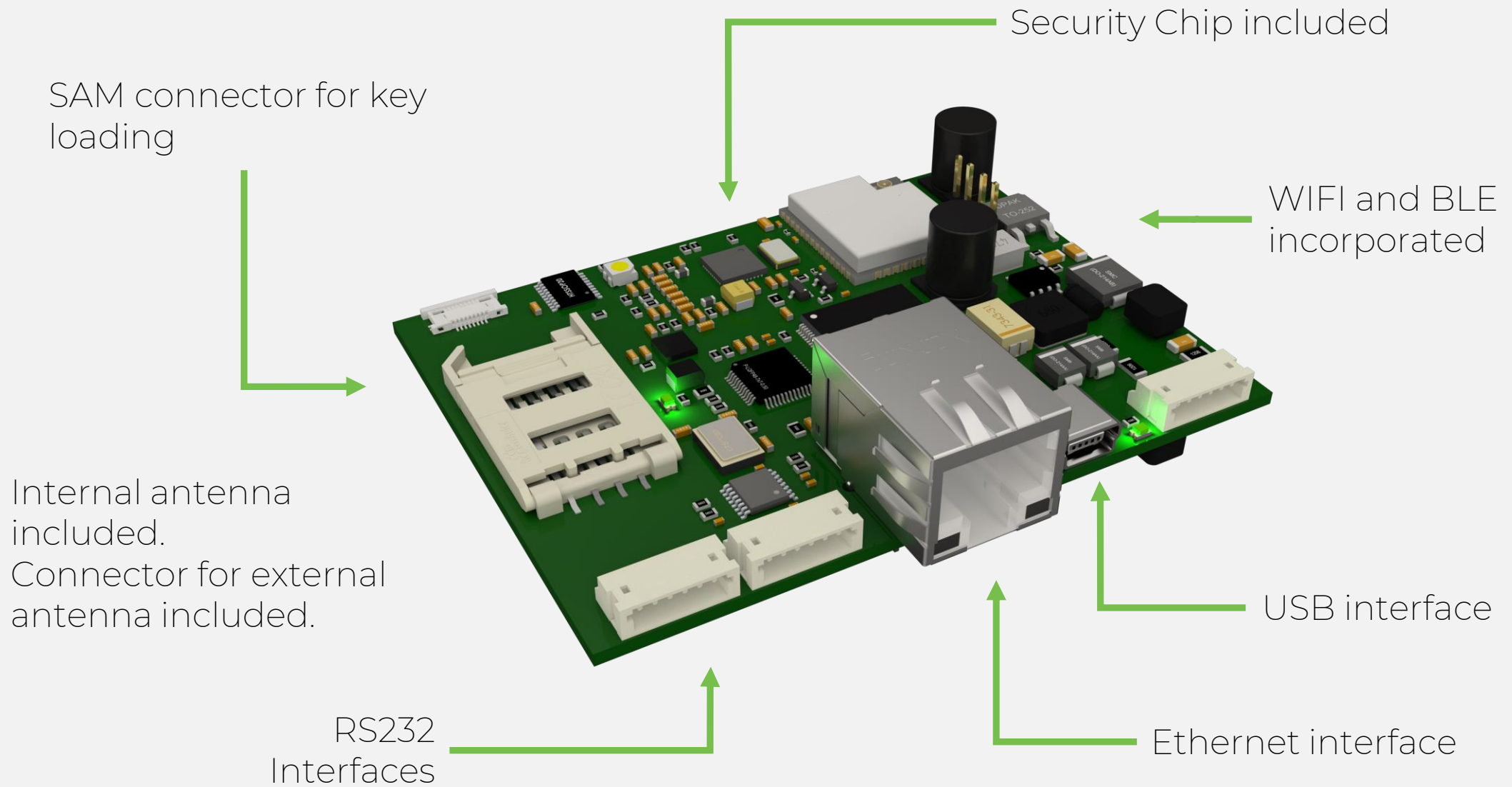
With its integrated LED-driver and E/As it can easily be equipped to provide visual and audio feedback to its user.

+ AREA OF APPLICATION



- Kiosk solutions
- Access management
- Closed-loop micropayments
- Campus and student ID card management
- Loyalty programs
- General contactless identification applications

+ OVERVIEW



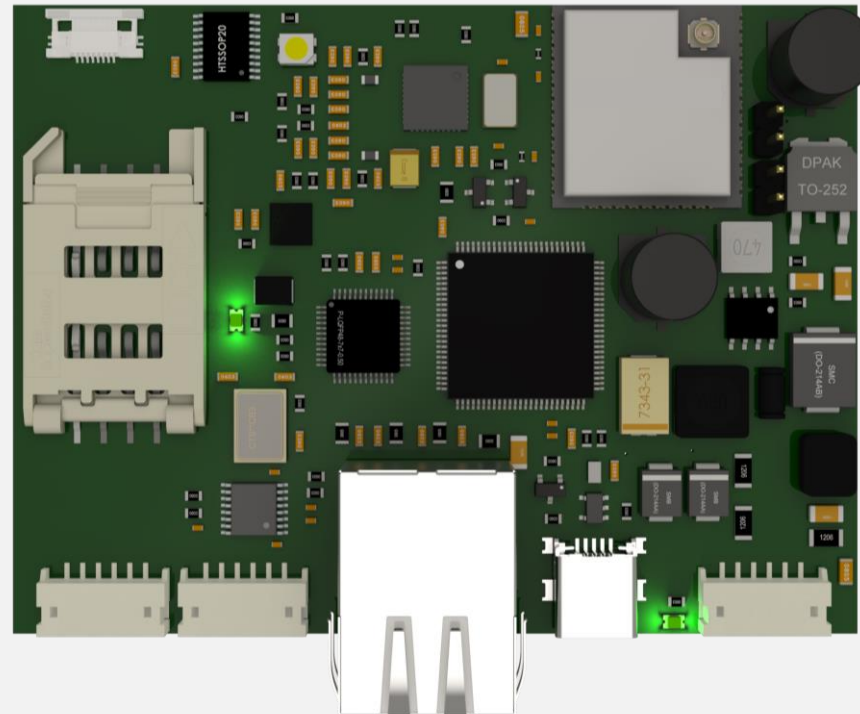
+ PROTOCOLS

Supported frequencies

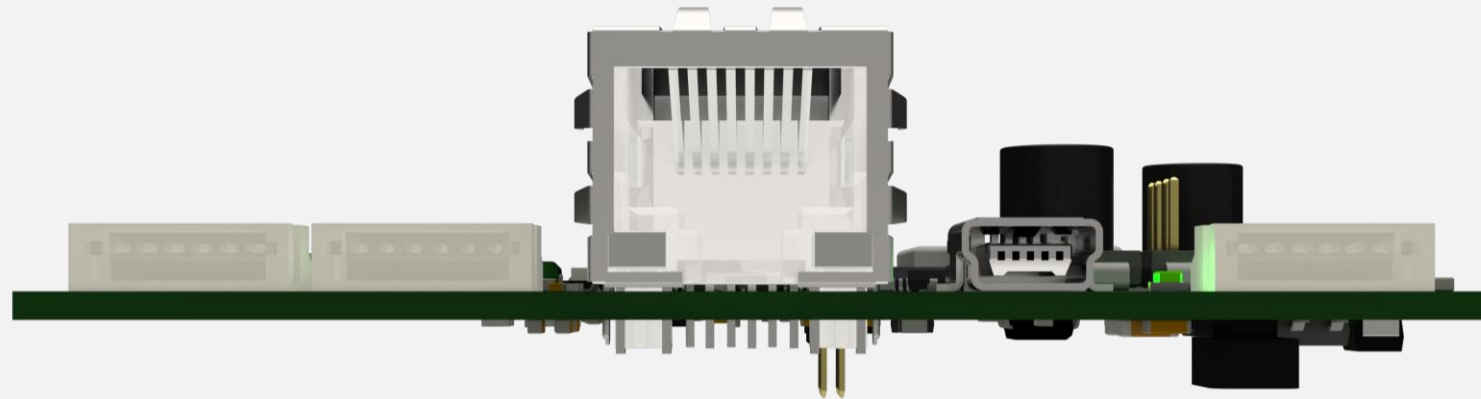
- 13.56 MHz

Supported tags

- Mifare Classic
- Mifare Desifre
- FeliCa
- ISO14443 A/B
- ISO 15693 (iCode)
- NFC



+ INTERFACES & FIRMWARE



Physical Interfaces

- 1x USB
- 1x Ethernet
- 1x RS232 for direct communication
- 1x RS232 for connection with a second ddm card reader
- 1x E/A
- External Antenna connector

Contactless interfaces

- WIFI/Wlan
- BLE (Bluetooth low energy)

INTERFACES & FIRMWARE

Firmware

Our 882 reader comes with a loaded firmware for an easy integration into your system. The firmware is equipped with an integrated bootloader to upload any new firmware versions.

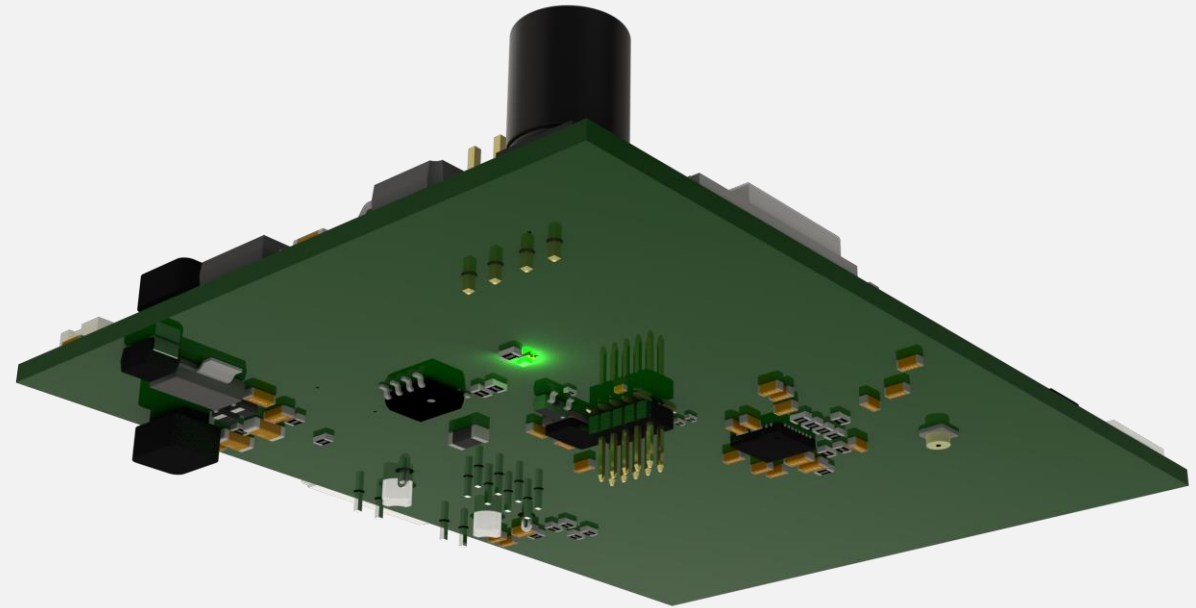
Development Kit

For your initial tests and trials we provide you a complete development kit, including samples, test software, software description & commands as well as support from our team for any open questions.

+ RFID/NFC CONNECTION

Antennas

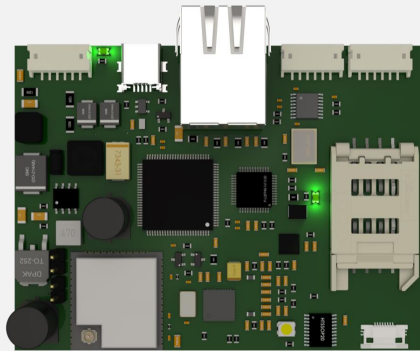
- Internal antenna included
- Connector for external antenna included
- Standard external antennas available
- Customized external antennas available



Details

In order to provide an easy integration into a system we have designed our reader so that you can either use the integrated antenna or use an external antenna for applications in which the PCB is located in a different position than the interface to the user holding a card or NFC capable device.

+ HOUSING DESIGNS



At ddm hopt+schuler we know how important the interface to the user is. That's why we have already put in some thought on various housing designs. With our many years of experience in developing A-surface parts we can support you in the development and production of your enclosure.

Let us how know how we can support you to design and produce the fitting enclosure for you with the right IP-Level, Audio and Visual feedbacks, mounting and surface materials.

THANK YOU
+ FOR YOUR
ATTENTION