

APPLICATION

The SmartPatch RFID Bluetooth Reader has been designed for RFID applications in particularly demanding environments. Thanks to its waterproof and dustproof case meeting IP54 standards, there are virtually no limits for the use of IPSRFIDRW2.

The SmartPatch RFID Bluetooth Reader has an integrated ferrite rod antenna suitable for detecting all common transponders, especially very small-sized transponder types.

In CDC mode the reader appears as virtual COM port in the system. Drivers for Microsoft Windows XP, 7, Vista and 8 (32 and 64 Bit) are available. In this mode, a simple "AT" instruction set enables an intuitive control of the reader from the application. Alternatively, the reader can be operated in HID mode as virtual keyboard. In this mode, it is natively supported without additional drivers by all common operating systems. The configuration change is made per software and remains permanent until the next change.

The SmartPatch RFID Bluetooth Reader supports transponders according to ISO15693 and ISO14443A/B standards.

FEATURES

- IP54 rated
- Wireless charging
- E-Paper display for longer battery life



IPSRFIDRW2

ORDER INFO

Brand-Rex Part Number	Item Description	Colour	Weight	Qty per Pack
IPSRFIDRW2	SmartPatch RFID Bluetooth Reader	Black	100g	1

PHYSICAL CHARACTERISTICS

- Case dimensions: 160(L)X40(W)X25(H)mm

POWER

- Power supply: Integrated Lithium-polymer battery (2,000mAh)
- Power input: 55mA in stand-by; up to 250mA in operation
- Operating time
 - Stand-by: >1 year
 - Normal usage: 20h
 - Permanent usage: 8h
- Charging time
 - Wireless charging as per Qi-standard (up to 1A charging current, depending on charging unit), charging time: 2h - 5h
 - USB connection (up to 1A charging current, depending on charging unit), charging time: 2h - 4h

INTERFACES

- USB interface
- Bluetooth 2.1+ Enhanced Data Rate (EDR)
- Qi wireless charging

MEMORY

- Integrated flash memory
- Data are recorded with time stamp

DISPLAY

- Efficient Electronic Paper display (b/w)
- Resolution: 200 x 96 Pixel
- Readable area: 46mm x 22mm

RFID SPECIFICATIONS

- Operating frequency: 13.56Mhz
- Antenna connection: Integrated ferrite rod antenna
- HF-output: 200mW

RFID STANDARDS SUPPORTED

RFID Standard Supported	ISO 15693	ISO 1443A	ISO 14443B
HID Mode	Yes	-	-
CDC Mode	Yes	Yes	Yes

ENVIRONMENT

- IP54 Rated

OTHER

- Protocol/Instruction Set:
 - Easy AT- instruction set for scanning tags, reading and writing of tag-memory as well as modification of hardware parameters; switching between CDC and HID mode is possible from the application.
- Anti collision: Yes

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