

# SmartPatch™ RFID Bluetooth Reader/Writer

Datasheet: GD102659v6



## APPLICATION

SmartPatch RFID Bluetooth Reader/Writer is used to program SmartPatch RFID copper and fiber clips. The tool has an integrated ferrite rod antenna suitable for detecting all common transponders, including very small-sized transponder types.

In CDC mode, the reader appears as a virtual COM port in the system. In this mode, a simple "AT" instruction set enables intuitive control of the reader from the application. Alternatively, the reader can be operated in HID mode as a virtual keyboard. In this mode, it is natively supported without additional operating system drivers. The configuration change is made per software and remains permanent until the next change.

## FEATURES

- IP54 Rated
- Qi Wireless charging
- E-Paper display for longer battery life
- Supports transponders in accordance to ISO15693 and ISO14443A/B standards



## ORDER INFO

Part Number	Item Description	Color	Weight	Qty per Pack
IPSRFIDRW2	SmartPatch RFID Bluetooth Reader/Writer	Black	100g	1

## PHYSICAL CHARACTERISTICS

Case Dimensions (L x W x H)	160 x 40 x 25mm
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## INTERFACES

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

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## DISPLAY

Resolution	200 x 96 Pixel
Readable Area	46mm x 22mm

Efficient Electronic Display	b/w
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## POWER

Power Supply	Integrated lithium-polymer battery (2,000 mAh)
Power Input	55mA in stand-by; up to 250 mA in operation
Charging Time (Wireless-Qi Standard)	2 – 5 hours*
Charging Time (USB connection)	2 to 4 hours*

Operating Time (Stand by)	>1 year
Operating Time (Standard Usage)	20 hours
Operating Time (Permanent Usage)	8 hours

\*Up to 1A charging current, depending on charging unit

## MEMORY

- Integrated flash memory
- Data is recorded with time stamp

## RFID SPECIFICATIONS

Operating Frequency	13.56 MHz
Antenna Connection	Integrated ferrite rod antenna

HF-Output	200 mW
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## 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

## RFID STANDARDS SUPPORTED

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

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