



R1307I

# fIDo

## RAIN RFID Sled Reader



<b>BENEFITS</b>	High Performance reading	Flexible	USB Type C	HID	Bluetooth	Wireless charge
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### Features

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- ETSI and FCC versions available
- Bluetooth/BLE communication
- Integrated circular polarized antenna
- Ergonomic form factor
- Battery powered
- iPhone/iPad compatibility
- SP-Connect™ universal mounting for smartphones
- Embedded smartphone wireless charger
- Optional barcode scanner

### Applications

- RAIN RFID add-on to smartphones, tablets and mobile terminals
- Shop inventory and cycle counting
- Asset tracking
- Warehouse management
- Mobile workers

### Overview

**fIDo** (Model R1307IE, R1307IU) is a RAIN RFID sled reader of the easy2read® product line with integrated antenna for long range applications.

The reader hosts an internal rechargeable battery and can operate both in wired mode, using a USB cable, or in wireless mode through the BLE/Bluetooth® interface.

Thanks to the Bluetooth® communication interface, the **fIDo** is a perfect add-on for any Bluetooth® enabled host such as a PC, a smartphone, a PDA or a tablet for RAIN RFID readings. The reader is compatible with Windows 8/10, Windows CE/Mobile, Android and iOS operating systems.

The device supports both Bluetooth Low Energy (BLE) and Bluetooth classic communication to provide the maximum usage flexibility, including the HID profile for keyboard emulation.

**fIDo** integrate a SP-Connect SPC+ mounting adapter to easily fix a wide range of smartphones with dedicated phone cases. It also embeds a wireless charging transmitter to charge the smartphone without the need to detach it from the reader.

**fIDo** is ideal for inventory management, mobile workers, service and maintenance applications, asset tracking and many other AutoID applications.

The radio frequency core of the reader is based on the **Impinj E710** IC that permits to achieve fast reading speed and to be used in dense reader and dense tag environments for top-class rated performances.



## Technical Specification Table

<b>Frequency Range</b>	<ul style="list-style-type: none"> <li>• 865.600÷867.600 MHz (ETSI EN 302 208 v. 3.3.1) (Mod. R1307IE)</li> <li>• 902÷928 MHz (FCC part 15.247) (Mod. R1307IU)</li> </ul>
<b>RF Power</b>	<ul style="list-style-type: none"> <li>• Configurable from 11 dBm ERP to 28 dBm ERP (Mod. R1307IE)</li> <li>• Configurable from 13 dBm EIRP to 30 dBm EIRP (Mod. R1307IU)</li> </ul>
<b>RX Sensitivity</b>	<ul style="list-style-type: none"> <li>• -85 dBm - 10%PER, assuming 20 dB antenna RL @ 30 dBm output</li> </ul>
<b>Number of Channels</b>	<ul style="list-style-type: none"> <li>• 4 channels (compliant to ETSI EN 302 208 v. 3.3.1) (Mod. R1307IE)</li> <li>• 50 hopping channels (compliant to FCC part 15.247) (Mod. R1307IU)</li> </ul>
<b>Standard Compliance</b>	EPC Class 1 Gen 2 - ISO18000-63
<b>Antenna Gain</b>	3.0 dBic (typical)
<b>Antenna Polarization</b>	Integrated Circular Polarized Antenna
<b>Read Range</b>	Up to 5.0 m (Typical)
<b>USB Interface</b>	USB 2.0 Full Speed (12 Mbit/s) via USB Type-C connector
<b>Bluetooth Interface</b>	<ul style="list-style-type: none"> <li>• Bluetooth 4.2 Smart Ready compliant</li> <li>• 11 dBm EIRP output power BR</li> <li>• 5 dBm EIRP output power EDR</li> <li>• 7 dBm EIRP output power BLE</li> <li>• HID and Serial over GATT (BLE)</li> <li>• HID and SPP profiles (Bluetooth classic)</li> </ul>
<b>User Interface</b>	<ul style="list-style-type: none"> <li>• Power and Trigger buttons</li> <li>• Power and battery status LED</li> <li>• Communication and operation result LED</li> <li>• Bi-tonal buzzer and vibration element for event signaling</li> </ul>
<b>Battery Type</b>	Li-Ion 3.7 V, 5,200 mAh
<b>Battery Life</b>	<ul style="list-style-type: none"> <li>• Operating: &gt; 12 h (with 100,000 tag readings)</li> <li>• Standby: &gt; 50 days (powered off, no LED blinking)</li> </ul>
<b>Battery Charging Time</b>	• 4 hours 15 min. with 2 A AC/DC power supply
<b>IP Rating</b>	IP65
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 151 x 150 x 72 mm<sup>3</sup></li> <li>• 5.9 x 5.9 x 2.8 inches<sup>3</sup></li> </ul>
<b>Operating Temperature</b>	-10 °C to +55 °C
<b>Weight</b>	TBD g
<b>USB Cable Length</b>	1.5 m

### Ordering Options

WR1307IXEUAA	fIDo - RAIN RFID sled reader - ETSI		
WR1307IXUSAA	fIDo - RAIN RFID sled reader - FCC		



Authorized Reseller: RFID4UStore  
[www.rfid4ustore.com](http://www.rfid4ustore.com)  
 1-408-739-3500



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