



R1210I

trID / trID XL

RAIN RFID Smart Tray Reader



BENEFITS	Confined reading range	Slim size	Battery powered	USB Type C	HID	Bluetooth
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Features

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- ETSI and FCC versions available
- Bluetooth communication
- Integrated near field antenna
- Slim form factor
- Battery powered
- iPhone/iPad compatibility

Applications

- RAIN RFID jewelry trays
- Customer engagement
- Point of sale
- Dental tools tracking
- Document tracking

Overview

The **trID** (Model R1210I) is a slim RAIN RFID reader of the easy2read® product line with integrated antenna for short 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 Bluetooth® interface.

Thanks to the Bluetooth® communication interface, the **trID** can be connected to 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.

The **trID** slim form factor permits to embed the reader in jewelry trays or to use it on a desk for document tracking or in healthcare environment to track surgery or dental tools.



Technical Specification Table

Frequency Range	<ul style="list-style-type: none"> • 865.600÷867.600 MHz (ETSI EN 302 208 v. 3.1.1) (Mod. R1210IE, R1210IEXL) • 902÷928 MHz (FCC part 15.247) (Mod. R1210IU, R12010IUXL)
RF Power	<ul style="list-style-type: none"> • Configurable from -12 dBm ERP to 2 dBm ERP (Mod. R1210IE, R1210IEXL) • Configurable from -10 dBm EIRP to 4 dBm EIRP (Mod. R1210IU, R12010IUXL)
Number of Channels	<ul style="list-style-type: none"> • 4 channels (compliant to ETSI EN 302 208 v. 3.1.1) (Mod. R1210IE, R1210IEXL) • 50 hopping channels (compliant to FCC part 15.247) (Mod. R1210IU, R12010IUXL)
Standard Compliance	EPC Class 1 Gen 2 - ISO18000-63
Antenna Gain	-20.0 dBic (typical)
Antenna Type	Near Field UHF Antenna
Read Range	Up to 15 cm (Typical)
USB Interface	USB 2.0 Full Speed (12 Mbit/s) via USB Type-C connector
Bluetooth Interface	<ul style="list-style-type: none"> • Bluetooth 4.1 Smart Ready compliant • 12 dBm EIRP output power BR/EDR • 8 dBm EIRP output power BLE • HID and Serial over GATT (BLE) • HID and SPP profiles (Bluetooth classic)
User Interface	<ul style="list-style-type: none"> • Power button • Power and battery status LED • Communication and operation result LED • Bi-tonal buzzer for event signalling
Battery Type	Li-Ion 3.7 V, 2100 mAh
Battery Life	<ul style="list-style-type: none"> • Operating: > 18 hours (with 60,000 tag readings) • Standby: > 15 days (powered off, no LED blinking)
Battery Charging Time	<ul style="list-style-type: none"> • 6 hours connected to a PC USB port • 2 hours 40 min. with 1 A AC/DC power supply
IP Rating	IP30
Dimensions	<ul style="list-style-type: none"> • trID: 217 x 146 x 14 mm³ (8.54 x 5.75 x 0.55 inches³) • trID XL: 350 x 220 x 14 mm³ (13.78 x 8.66 x 0.55 inches³)
Operating Temperature	-10 °C to +55 °C
Weight	<ul style="list-style-type: none"> • trID: 375 g • trID XL: 872 g
USB Cable Length	1.5 m

Ordering Options

WR1210IXEUAA	trID - RAIN RFID smart tray reader - ETSI		
WR1210IXUSAA	trID - RAIN RFID smart tray reader - FCC		
WR1210IXEUXL	trID XL - RAIN smart tray reader - ETSI		
WR1210IXUSXL	trID XL - RAIN smart tray reader - FCC		



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