

# qID - R1240IE/IU

Wearable Bluetooth

RAIN RFID/Barcode Reader



## Features

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- Multiregional support
- USB and Bluetooth communication
- Integrated circular polarized antenna
- Ergonomic form factor
- Battery powered
- iPhone/iPad compatibility
- Internal scripting engine

## Applications

- UHF add-on to Bluetooth devices
- Industrial automation reading points
- Points of sale
- Field Sales Mobility
- People Access Control
- Inventory Management

## Overview

The **qID** (Model R1240IE, R1240IU) is a wearable RAIN RFID reader of the easy2read® product line with integrated antenna for medium to 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 Bluetooth® interface.

Thanks to the Bluetooth® communication interface, the **qID** 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 **qID** reader can also operate in Batch Mode, allowing to store up to 500,000 EPC codes into the internal memory when the communication links (USB or Bluetooth®) are not available.

The **qID** can work autonomously thanks to its internal scripting engine: the user can upload a script to be executed when the trigger button is pressed. The scripting language permits to access to all the Gen2 commands and to drive the optional barcode scanner, the LEDs and the internal memory.

An optional 1D/2D barcode imager enables the **qID** to read most barcode standards. This enables the **qID** to be the perfect identification device in mixed barcode/RFID labels environment. When paired to a smartphone or a tablet, the **qID** is a cost effective alternative to more expensive handheld devices.

Designed for mobile operators, the **qID** is ideal for inventory management, field sales mobility, service and maintenance applications.



## Technical Specification Table

<b>Frequency Range</b>	- 865.600÷867.600 MHz (ETSI EN 302 208 v. 3.1.1) (Mod. R1240IE - R1240IEB) - 902÷928 MHz (FCC part 15.247) (Mod. R1240IU - R1240IUB)
<b>RF Power</b>	- Configurable in 18 levels from 8 dBm ERP to 25 dBm ERP (Mod. R1240IE - R1240IEB) - Configurable in 18 levels from 8.5 dBm ERP to 25,5 dBm ERP (Mod. R1240IU - R1240IUB)
<b>Number of Channels</b>	- 4 channels (compliant to ETSI EN 302 208 v. 3.1.1) (Mod. R1240IE - R1240IEB) - 50 hopping channels (compliant to FCC part 15.247) (Mod. R1240IU - R1240IUB)
<b>Standard Compliance</b>	EPC Class 1 Gen 2 - ISO18000-63
<b>Antenna Gain</b>	- 0.2 dBi (typical) (Mod. R1240IE - R1240IEB) - 0.7 dBi (typical) (Mod. R1240IU - R1240IUB)
<b>Antenna Polarization</b>	Integrated Circular Polarized Antenna
<b>Read Range</b>	Up to 1.5m. (Typical)
<b>USB Interface</b>	USB 2.0 Full Speed (12 Mbit/s) device port
<b>Bluetooth Interface</b>	- Class 1 with 5dBm EIRP output power - Virtual COM Port parameters: - Baudrate up to 921.600kbps - Databits: 8 - Stopbit: 1 - Parity: none - Flow control: none
<b>User Interface</b>	- ON/OFF button - Trigger button - Power indication and battery status LED - Communication activity LED - Operation result LED - Bitonal buzzer for event signalling
<b>Internal Buffer Size</b>	5MBytes (equivalent to 400,000 EPC codes @ 96bit)
<b>Barcode Reader</b>	1D and 2D imager (only for Mod. R1240IEB and R1240IUB)
<b>Battery Type</b>	Li-Ion 3.7V, 2100mAh
<b>Battery Life</b>	- Operating: > 8h (2,000 acquisition of a single tag, trigger mode) - Standby: > 7 days (powered off, no LED blinking)
<b>Battery Charging Time</b>	- 7h connected to a PC USB port - 3h with the provided AC/DC power supply
<b>IP Rating</b>	IP30
<b>Dimensions</b>	- 140 x 90 x 35 mm <sup>3</sup> - 5.5 x 3.6 x 1.4 inches <sup>3</sup>
<b>Operating Temperature</b>	-10°C to +55°C
<b>Weight</b>	- 230g. max. (Mod. R1240IE - Mod. R1240IU) - 250g. max. (Mod. R1240IEB - Mod. R1240IUB)
<b>USB Cable Length</b>	1.5 m.

## Ordering Options

<b>WR1240IXEAAA</b>	qID - RAIN RFID BT Reader (ETSI)		
<b>WR1240IXEBAA</b>	qID - with Barcode (ETSI)		
<b>WR1240IXUAAA</b>	qID - RAIN RFID BT Reader (FCC)		
<b>WR1240IXUBAA</b>	qID - with Barcode (FCC)		
<b>EACCESDRF06</b>	qID Silicone Cover		