



qID - R1240IE/IU

**Wearable Bluetooth
RAIN RFID/BARCODE
Reader**

Features

- RAIN (UHF EPC Class1 Gen2, ISO 18000-63) Compliant
- Multi-Regional Support
- USB and Bluetooth Communication
- Integrated circular polarized antenna
- Ergonomic form factor
- Battery powered
- iPhone/iPad compatibility
- Internet scripting engine

Applications

- UHF add-on to Bluetooth devices
- Point of Sales
- Field Sales Mobility
- People Access Control
- Inventory Management

General Info

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 XP/7/8/10, Windows CE/Mobile, Android and iOS operating systems.

The 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 is very powerful and, in addition to the standard programming language constructs, it 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.



- Embedded Readers
- Mobile Readers
- Integrated Readers
- Fixed Readers
- Temperature Loggers

easy2read® product line

The easy2read® product family constitutes a complete and reliable product line of RAIN RFID readers for any Auto-ID need. A reading range from a few centimetres up to 7-8 metres distance makes the easy2read® family suitable for applications such as access control, RFID gates, desktop reading or OEM modules for integration into handheld or printer devices.



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Technical Specifications Table

Frequency Range	– 865.600÷867.600 MHz (ETSI EN 302 208 v3.1.1) (Mod. R1240IE – R1240IEB) – 902÷928 MHz (FCC part 15.247) (Mod. R1240IU – R1240IUB)
RF Power	– Programmable in 18 levels from 8 dBm ERP to 25dBm ERP (Mod. R1240IE – R1240IEB) – Programmable in 18 levels from 8,5 dBm ERP to 25,5dBm ERP (Mod. R1240IU – R1240IUB)
Antenna Gain	– 0,2 dBi (typical) (Mod. R1240IE – R1240IEB) – 0,7 dBi (typical) (Mod. R1240IU – R1240IUB)
Antenna Polarization	Integrated Circular Polarized Antenna
Number of Channels	– 4 channels (compliant to ETSI EN 302 208 v3.1.1) (Mod. R1240IE – R1240IEB) – 50 hopping channels (compliant to FCC part 15.247) (Mod. R1240IU – R1240IUB)
Standard Compliance	EPC C1G2 / ISO 18000-63
Read Range	up to 1.5 m (typical; depending on tag; tag in free air)
USB Interface	USB 2.0 Full Speed (12 Mbit/s) device port
Bluetooth Interface	Class 1 with output power 5dBm e.i.r.p. Virtual COM port parameters: – Baudrate: up to 921.600kbps – Databits: 8 – Stopbits: 1 – Parity: none – Flow control: none
User Interface	Button #1: ON/OFF Button #2: Trigger Led #1: power indication and battery status (green: high; red: low) Led #2: communication activity (blue: Bluetooth; orange: USB) Led #3: operation result (green: OK; red: not OK) Buzzer: bi tonal for events signalling
Internal Buffer Size	5MByte (equivalent to 400000 EPC codes@96bit))
Barcode Reader	1D and 2D imager (only in Mod. R1240IEB – R1240IUB)
Battery Type	Li-Ion 3.7V, 2100mAh
Battery Life	Operating: > 8h (2'000 acquisitions of a single tag, triggered mode) Standby: > 7 days (powered off; no led blinking)
Battery Charging Time	7h from USB port 3h with AC/DC adapter
IP Rating	IP30
Dimensions	(L) 140 x (W) 90 x (H) 35 mm ³ max. (5.5 x 3.6 x 1.4 inch ³)
Length of USB Cable	1,5 m
Operating Temperature	-10°C to +55°C
Weight	230 g max (Mod. R1240IE/IU) 250 g max. (Mod. R1240IEB/IUB)

Ordering Options

Code	Description
WR1240IXEAAA	R1240IE - qID Wearable Bluetooth UHF RFID Reader (ETSI)
WR1240IXEBAA	R1240IEB - qID Wearable Bluetooth UHF RFID/BARCODE Reader (ETSI)
WR1240IXUAAA	R1240IU - qID Wearable Bluetooth UHF RFID Reader (FCC)
WR1240IXUBAA	R1240IUB - qID Wearable Bluetooth UHF RFID/BARCODE Reader (FCC)

Accessories

EACCESCDRF06	R1240I - Silicone Cover
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