

The **ideal RFID**  
**companion**  
for **Bluetooth**  
devices



**qID R1240I**  
**Fully integrated**  
**UHF RFID**  
**USB/Bluetooth**  
**reader**

#### Features

- Integrated antenna
- USB and Bluetooth communication
- Fully upgradable
- Ergonomic shape
- Battery powered

#### Applications

- UHF add-on to Bluetooth devices
- Point of sales
- Field sales mobility
- People access control
- Inventory management

#### General Info

The **qID** (Model R1240I) is a mobile UHF RFID reader compliant with ISO 18000-6C/EPC C1G2 standards. Thanks to the Bluetooth communication interface, the R1240I is a perfect add-on for any Bluetooth enabled host such as a PC, a smartphone, a PDA or a tablet for UHF RFID readings. The reader is compatible with Windows XP/7, Windows CE/Mobile, Android and iOS operating systems.

The **qID** can operate both in wired mode, using a USB cable, or in wireless mode through the Bluetooth interface.

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 1D/2D barcode imager (optional) enables the **qID** to be the perfect identification device in mixed barcode/RFID labels environments.

This mobile reader, when paired to a smartphone or a tablet, is a cost effective alternative to integrated handheld devices.



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



- OEM Readers
  - Fixed Readers
  - Desktop Readers
- easy2read<sup>®</sup>**

### Technical Specifications Table

|                              |                                                                                                                                                                                                                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Frequency Band</b>        | 865.600÷867.600 MHz (ETSI EN 302 208)<br>902÷928 MHz (FCC part 15.247)                                                                                                                                                                                                                         |
| <b>Number of Channels</b>    | 4 channels (compliant to ETSI EN 302 208)<br>50 hopping channels (compliant to FCC part 15.247)                                                                                                                                                                                                |
| <b>Radiated Power Level</b>  | Programmable in 6 levels from 11dBm (12.5mW) e.r.p. to 27dBm (500mW) e.r.p.                                                                                                                                                                                                                    |
| <b>Antenna Gain</b>          | 3dBi (typical)                                                                                                                                                                                                                                                                                 |
| <b>Antenna Polarization</b>  | Dual linear (horizontal and vertical)                                                                                                                                                                                                                                                          |
| <b>Standard Compliance</b>   | ISO 180006-C/EPC C1G2                                                                                                                                                                                                                                                                          |
| <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 output power 5dBm e.i.r.p.<br>Virtual COM port parameters:<br>Baudrate: up to 921'600kbps<br>Databits: 8<br>Stopbits: 1<br>Parity: none<br>Flow control: none                                                                                                                     |
| <b>User Interface</b>        | Button#1: ON/OFF<br>Button#2: Trigger<br>Led #1: power indication and battery status (green: high; red: medium; blinking red: low)<br>Led#2: communication activity (blue: Bluetooth; orange: USB)<br>Led#3: operation result (green: OK; red: not OK)<br>Buzzer: bitonal for events signaling |
| <b>Internal Buffer Size</b>  | Internal Buffer Size: 6MByte<br>(equivalent to 500.000 EPC codes@96bit)                                                                                                                                                                                                                        |
| <b>Barcode Reader</b>        | 1D and 2D imager (optional)                                                                                                                                                                                                                                                                    |
| <b>Battery Life</b>          | Operating: > 8h<br>Standby: > 7 days                                                                                                                                                                                                                                                           |
| <b>Battery Charging Time</b> | 4.5h from USB port<br>2.5h with AC/DC adapter                                                                                                                                                                                                                                                  |
| <b>Operating Temperature</b> | -10 °C to +55 °C                                                                                                                                                                                                                                                                               |
| <b>IP Rating</b>             | IP54                                                                                                                                                                                                                                                                                           |
| <b>Dimensions</b>            | 140 x 90 x 35 mm <sup>3</sup> max. (5.5 x 3.6 x 1.4 in <sup>3</sup> )                                                                                                                                                                                                                          |
| <b>Weight</b>                | 180g max.                                                                                                                                                                                                                                                                                      |



CAENRFID s.r.l. - Via Vetraia, 11 - 55049 Viareggio - Italy  
 Tel. +39.0584.388.398 - Fax +39.0584.388.959  
 info@caenrfid.it - www.caenrfid.it

For more information, visit our web site:  
[www.caenrfid.it](http://www.caenrfid.it)