



R1170I

**Keyfob Bluetooth
UHF RFID Reader**



**UHF RFID technology
in your hand**

Features

- EPC C1 G2, ISO 18000-6C Compliant
- USB and Bluetooth communication
- SPP and HID Bluetooth profiles
- Integrated linear polarized antenna
- Small, lightweight and ergonomic form factor
- Battery powered
- LCD display
- Vibration feedback
- iPhone/iPad compatibility

Applications

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

General Info

The qIDmini (Model R1170I) is a handheld reader of the easy2read[®] product family, compliant with UHF RFID ISO 18000-6C/EPC C1G2 standards.

The qIDmini has an integrated antenna suited for short to medium range applications and, thanks to the Bluetooth[®] communication interface, it is a perfect UHF RFID add-on for any Bluetooth[®] enabled host such as a PC, a smartphone, a PDA or a tablet. The reader is compatible with Windows XP/7, Windows CE/Mobile, Android, iPhone and iPad.

The HID version supports native keyboard emulation allowing to interact directly with legacy application, office automation SW or any other generic solution requiring manual input.

The reader can also operate in “Batch Mode”, allowing to store EPC codes into the internal memory when the communication links (USB or Bluetooth[®]) are not available.

When paired to a smartphone or a tablet, the qIDmini is a cost effective alternative to more expensive handheld devices.

Designed for mobile operators in indoor or outdoor areas, the qIDmini is ideal for in-store inventory management, field sales mobility, service and maintenance applications.



easy2read® Family

The easy2read® 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® 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®

Technical Specifications Table

Frequency Range	865.600+867.600 MHz (ETSI EN 302 208 v. 1.4.1) (Mod. R1170IEHIDP and R1170IEAPLP) 902÷928 MHz (FCC part 15.247) (Mod. R1170IUHIDP and R1170IUAPLP)
RF Power	Programmable in 18 levels from 5dBm e.r.p. (3mW e.r.p.) to 22dBm e.r.p. (150mW e.r.p.)
Antenna	Integrated linear (horizontal)
Number of Channels	4 channels (compliant to ETSI EN 302 208 v. 1.4.1)(Mod. R1170IEHIDP and R1170IEAPLP) 50 hopping channels (compliant to FCC part 15.247)(Mod. R1170IUHIDP and R1170IUAPLP)
Standard Compliance	ISO 18000-6C/EPC C1G2
Read Range	up to 90cm (typical)
Connectivity	USB Interface: USB 2.0 Full Speed (12 Mbit/s) device port Bluetooth Interface: Class 2 with output power 4dBm e.i.r.p. Virtual COM port parameters: - Baudrate: up to 230.400kbps - Databits: 8 - Stopbits: 1 - Parity: none - Flow control: none HID profile available (mod. R1170IEHIDP and R1170IUHIDP) Apple compatibility available (mod. R1170IEAPLP and R1170IUAPLP)
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) Buzzer: bitonal for events signalling Vibration: for events signalling Display: LCD Alphanumeric (8 chars x 2 lines)
Internal Buffer Size	48kByte (equivalent to 4096 EPC codes@96bit) (TBC)
Battery Type	Li-Ion 3.7V, 570mAh
Battery Life	Operating: > 12h with 40'000 tag readings; Standby: > 15 days
Battery Charging Time	2h (typical)
IP Rating	IP 32
Dimensions	(W)99 x (L)54 x (H)20 mm ³ max. (3.9 x 2.1 x 0.8 inch ³)
Length of USB cable	1.5 m
Operating Temp.	-10 °C to +55 °C
Weight	57 g

Ordering Options

Code Description

Reader

WR1170IEAPLP	R1170IEAPLP - qIDmini - Keyfob Bluetooth UHF RFID Reader (ETSI) with Apple profile
WR1170IEHIDP	R1170IEHIDP - qIDmini - Keyfob Bluetooth UHF RFID Reader (ETSI) with HID profile
WR1170IUAPLP	R1170IUAPLP - qIDmini - Keyfob Bluetooth UHF RFID Reader (FCC) with Apple profile
WR1170IUHIDP	R1170IUHIDP - qIDmini - Keyfob Bluetooth UHF RFID Reader (FCC) with HID profile

Development Kit

WR1170IDKEAP	R1170IDKEAP - Development kit with qIDmini - R1170I Reader (ETSI with Apple profile) and demo tags
WR1170IDKEHI	R1170IDKEHI - Development kit with qIDmini - R1170I Reader (ETSI with HID profile) and demo tags
WR1170IDKUAP	R1170IDKUA - Development kit with qIDmini - R1170I Reader (FCC with Apple profile) and demo tags
WR1170IDKUHI	R1170IDKUHI - Development kit with qIDmini - R1170I Reader (FCC with HID profile) and demo tags



CAENRFID S.r.L. - Via Vetraria, 11 - 55049 Viareggio - Italy
Tel. +39.0584.388.398 - Fax +39.0584.388.959 - info@caenrfid.com - www.caenrfid.com

For more information, visit our web site:

www.caenrfid.com

Copyright © CAENRFID srl. All rights reserved. Information in this publication supersedes all earlier versions. Specifications subject to change without notice.