

### UHF | RAIN - Handheld Reader CAEN - fIDo

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- Optional barcode scanner
- Embedded smartphone wireless charger
- iPhone / iPad compatibility
- SP-Connect™ universal mounting for smartphones



### UHF | RAIN - Handheld Reader Bluetooth® RAIN - RFID Reader

CAEN RFID's fIDo (model R1307I) is a UHF | RAIN - RFID sled reader from the easy2read© product line with integrated antenna for long range applications.

The reader is equipped with an internal 5200mAh rechargeable battery that provides excellent operating time. The integrated wireless charging transmitter allows the smartphone to be charged when the fIDo is connected to the power supply without having to remove it from the reader. The reader's radio frequency (RF) core is based on the Impinj E710 IC, which enables fast reading speeds and high performance in dense reader and tag environments.

Thanks to the Bluetooth® communication interface, the fIDo is a perfect complement to any Bluetooth® enabled host such as a PC, smartphone, PDA or tablet for RAIN RFID readings. The reader is compatible with Windows, Android and iOS operating systems. The device supports both Bluetooth Low Energy (BLE) and Bluetooth Classic communication for maximum application flexibility, including the HID profile for keypad emulation.

fIDo integrates a SP-Connect SPC+ mounting adapter for easy attachment to a wide range of smartphones with special phone cases. fIDo is ideal for inventory management, mobile workers, service and maintenance applications, asset tracking and many other AutoID applications.

### Common Applications

- Inventory Control
- Asset Tracking
- Field Service & Sales
- Warehouse Management
- Defence Industry







CAEN RFID - fIDo

Your perfect partner for asset tracking

### TECHNICAL SPECIFICATIONS

#### Contactless Interface

Operating Frequency	865.600-867.600 MHz (ETSI EN 302 208 v. 3.3.1)
Supported Standards	EPC Class 1 Gen 2 - ISO18000-63
RF Power	Config from 1dBm ERP to 28 dBm ERP (ETSI)
Antenna Gain	3.0 dBic (typical)
Antenna Type	Circular polarized antenna
Reading Range	Up to 10 meter (typical)
Number of Channels	4 channels (ETSI EN 302 208 V. 3.3.1)
Operation Modes	Read / Write or HID

#### Host Interface

Interface (wireless)	Bluetooth® 4.2 11 dBm EIRP output power BR 5 dBm EIRP output power EDR 7 dBm EIRP output power BLE
Protocol (wireless)	HID and Serial over GATT (BLE) HID and SPP profiles (Bluetooth classic)
Interface (wired)	USB Type - C
Protocol	Serial Protocol or HID Profile

#### Physical Characteristics

Dimension	151 x 150 x 72 mm
Weight	372 g
Connector Type	USB Type-C
IP Protection	IP 65
Temperature	-10 °C to +55 °C
Humidity	N/A

#### Electrical Characteristics

Charging	USB (5 VDC)
Battery	Li-Ion 3.7V / 5.200mAh Operating time > 12h (with 100k tag readings) Standby time > 50 days (powered off, no LED)
User Interface	Power & Trigger buttons Power and battery status LED Communication and operation result LED Bi-tonal buzzer and vibration element

#### Certifications & Compliances

Certifications	CE, UKCA, FCC, REACH & RoHS
Compliances	RAIN ALLIANCE (ISO18000-63)

#### Drivers & Support

Supported OS	Works with any OS supporting USB
Supported Libraries	Visual C, .NET Standard 2.0, Swift, Java & Light C
Tools	Software Development Kit

#### Part No. / Model

25-RMR-C01-0001-01	fIDo - ETSI (SLED)
25-RMR-C01-0002-01	fIDo - FCC (SLED)
25-RMR-C01-0003-01	fIDo - ETSI (2DBC)
25-RMR-C01-0004-01	fIDo - FCC (2DBC)