CAENRFID

skID - R1280IE/IU

Mini Sled
RAIN RFID Reader

Features

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- ETSI and FCC versions available
- Bluetooth communication
- Integrated circular polarized antenna
- Ergonomic form factor
- Battery powered
- iPhone/iPad compatibility
- 4 mounting options: magnetic, 3M Dual Lock™, Quad Lock© or SP-Connect™

Applications

- RAIN RFID add-on to smartphones, tablets and mobile terminals
- Shop inventory and cycle counting
- Mobile point of sale
- Field sales mobility
- Mobile workers

Overview

The **skID** (Model R1280IE, R1280IU) is a portable RAIN RFID reader of the easy2read© product line with integrated antenna for medium 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 **skID** 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 device supports both Bluetooth Low Energy (BLE) and Bluetooth classic communication to provide the maximum usage flexibility, including the HID profile for keyboard emulation.

The **skID** can be easily fixed to the smartphone using 4 different methods: magnets, 3M Dual Lock, Quad Lock or SP-Connect

Designed for mobile operators, the **skID** is ideal for inventory management, mobile workers, service and maintenance applications.

RAIN RFID

Technical Specification Table

Frequency Range	- 865.600÷867.600 MHz (ETSI EN 302 208 v. 3.1.1) (Mod. R1280IE) - 902÷928 MHz (FCC part 15.247) (Mod. R1280IU)
RF Power	- Configurable from 8 dBm ERP to 22 dBm ERP (Mod. R1280IE) - Configurable from 8.5 dBm ERP to 24 dBm EIRP (Mod. R1280IU)
Number of Channels	- 4 channels (compliant to ETSI EN 302 208 v. 3.1.1) (Mod. R1280IE) - 50 hopping channels (compliant to FCC part 15.247) (Mod. R1280IU)
Standard Compliance	EPC Class 1 Gen 2 - ISO18000-63
Antenna Gain	0.0 dBic (typical)
Antenna Polarization	Integrated Circular Polarized Antenna
Read Range	Up to 2.0m. (Typical)
USB Interface	USB 2.0 Full Speed (12 Mbit/s) via USB Type-C connector
Bluetooth Interface	- Bluetooth 4.1 Smart Ready compliant - 12dBm EIRP output power BR/EDR - 8dBm EIRP output power BLE - HID and Serial over GATT (BLE) - HID and SPP profiles (Bluetooth classic)
User Interface	- Power and Trigger buttons - Power and battery status LED - Communication and operation result LED - Bi-tonal buzzer and vibration element for event signalling
Battery Type	Li-Po 3.7V, 1200mAh
Battery Life	- Operating: > 12h (with 40,000 tag readings) - Standby: > 15 days (powered off, no LED blinking)
Battery Charging Time	- 7h connected to a PC USB port - 2h with 1A AC/DC power supply
IP Rating	IP54
Dimensions	- 112 x 62 x 10/15 mm³ - 4.4 x 2.4 x 0.39/0.59inches³
Operating Temperature	-10°C to +55°C
Weight	80g. (TBC)

Ordering Options

WR1280IXEAAA	skID - RAIN RFID mini sled reader (ETSI)		
WR1280IXUAAA	skID - RAIN RFID mini sled reader (FCC)		