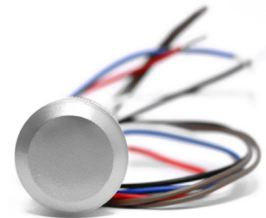


## 1-Wire Protocol iButton Reader for GPS Devices

### IB-01 (13.56MHz Frequency Reader)



Identification



RFID Readers manufactured by Softcruise Technologies Pvt. Ltd. are mainly of 125 KHz or 13.56MHz frequency and reads identification data (UID) wirelessly from passive transponders (cards, tags, etc.). It is compatible with ISO/IEC14443-3-A (e.g. MIFARE cards).

Depending on the version, the read data (manufacturer code and serial number) after correct verification of parity bits are sent via 1-Wire interface to the GPS device. RFID Reader can be manufactured in two-color LED viz. Red or Green. You can also attach a buzzer to the reader for audible sound when Card is successfully read.

## Technical Specifications

Power supply	3.3V DC (1-Wire Power Supply)
Power supply efficiency	250 mA
Peak current	60 mA
Average receiver current	15 mA (without LED)
Peak receiver current	45 mA
Green / Red LED current	7 mA
RFID Frequency	13,56 MHz
Type of transponder	ISO/IEC14443-3-A
Reading range	~4cm
Reading frequency	6/s for identification
Cable length	1 m
Reader temperature	60°C

## About Softcruise

Softcruise is a telematics pioneer leading transformation in a global connected economy. We help reinvent businesses and improve lives around the globe with technology solutions that streamline complex IoT deployments and bring intelligence to the edge. Our software applications, scalable cloud services, and intelligent devices collect and assess business-critical data from mobile assets, cargo, companies, cities and people. We call this The New How, powering autonomous IoT interaction, facilitating efficient decision making, optimizing resource utilization, and improving road safety.

Website: <http://www.softcruise.com>

Email: [info@softcruise.com](mailto:info@softcruise.com)

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