

## iRFID500 Handheld Bluetooth Passive RFID Reader



- Available in ETSI and FCC standard versions
- Fully rugged and highly durable
- Available as industrial version **OR** as hazardous area certified:
  - ATEX and IECEx  
Zones 0, 1, 2, 20, 21 and 22
  - Mining, M1
  - US and Canada Class I, II and III, Div 1

### Overview

The Extronics iRFID500 is a handheld Bluetooth UHF RFID passive tag reader, designed for use in hazardous areas and harsh industrial environments such as offshore, marine, chemical, and industrial environments. Build around the CAEN RFID engine, the iRFID500 has been created to work seamlessly with Android, Windows, or Apple smartphones and tablets for a greater range of functionality. The iRFID500 is invaluable for supporting operations such as inventory management, tracking and tracing, maintenance planning, and regulatory compliance.

### Bluetooth capability

Link the iRFID500 to a smart mobile device to enable workers to view, share, and save data directly from the hazardous or industrial area.

### Streamlined design

Lightweight and compact, the iRFID500 is easily carried into throughout shifts and can clip unobtrusively to a belt when not in use. Additionally, the iRFID500's ergonomic design makes it easy to use with one hand, leaving the other free to hold onto railings or carry a tablet.

### Long battery life

A battery life of over 12 hours whilst being used means that the iRFID500 is a viable accompaniment for workers during long shifts.



### Dual mode operation

Not only can the iRFID500 be used in conjunction with smart mobile devices, it can also work as a standalone device thanks to the large internal memory, giving you greater efficiency and flexibility of usage.

### Simple to operate

Successful tag reading is indicated clearly on the LCD display, as well as by vibration and a buzzer sound, ensuring accurate reads. The one-handed operation and stylus nib make adding additional information on a touchscreen simple, allowing for more detailed records to be created.

## Specification

**Certification** (*hazardous area version only*)  II 1 GD Ex ia IIC T4 Ga, Ex ia IIIC T135 Da  
 I M1 Ex ia I Ma  
 US & Canada MET Class I, II, III Div 1, Groups A-G

**Operating frequency** 865.6—867.6 MHz (ETSI EN 302 208 v. 1.4.1)  
 902—928 MHz (FCC part 15.247)

**RF power** 0 – 200mW

**Read range** 0 – 1m (tag dependent)

**Tag compliance** ISO 18000-6C/EPC C1G2

**Battery life** Over 12 hours when connected via Bluetooth and reading thousands of tags

**Memory capacity** 48K - 4096 EPC Codes

**Bluetooth** Class 2 Bluetooth 2.1 + EDR, 10m range

**Operating temperature** -20 to +55°C (-4°F to +131°F)

**Dimensions** L128 x W59 x D22mm (5.04 x 2.32 x 0.87in)

**Weight** 150g

**Ingress protection** IP65

**Display** LCD alphanumeric (8 characters x 2 lines)

**Buttons** On/off and trigger/confirmation

**Indication lights** Two LEDs: power level and communication status

**Internal clock** For time stamping tag reads with date and time

**OS compatibility** Windows, Android, HID profile, Virtual com port

**Data connector** Micro USB

## Ordering Information:

### Description

*All iRFID500 variants include a compatible charger/data cable*

iRFID500 UHF RFID reader, ETSI frequency, ATEX/IECEX/MET US & Canada

iRFID500 UHF RFID reader, FCC frequency, ATEX/IECEX/MET US & Canada

iRFID500 UHF RFID reader, ETSI frequency, industrial version

iRFID500 UHF RFID reader, FCC frequency, industrial version

### Order code

IRFID50001

IRFID50003

IRFID50005

IRFID50007

### Accessories:

Additional USB charger/data cable for iRFID50001 and iRFID50003 variants

IRFID500UC

410816-2.2

