

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, and 2 (including M1)
 - US and Canada Class 1, Div 1 (pending)

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.





Extronics Limited

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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, Div 1, Groups A-D (*pending*)

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	IP64
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

Ordering Information:

Description

iRFID500 UHF RFID reader, ETSI frequency, ATEX/IECEX/(US & Canada pending)
 iRFID500 UHF RFID reader, FCC frequency, ATEX/IECEX/(US & Canada pending)
 iRFID500 UHF RFID reader, ETSI frequency, industrial version
 iRFID500 UHF RFID reader, FCC frequency, industrial version

Order code

IRFID50001
 IRFID50003
 IRFID50005
 IRFID50007

Accessories:

iRFID500 USB charger and data cable

IRFID500UC



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