arfidex
advanced rfid expertise

865...868 MHz
WEARABLE WRISTBAND
UHF Class 1 Gen 2
RFID Reader
Bluetooth™ BLE
ISO18000-6C

Product:	Mobile WEARABLE RFID WRISTBAND 865...868 MHz Class 1 Gen 2 UHF RFID Reader /Writer with smart read range up to 1.5 m and Bluetooth interface to connect with Android™ operating system based smartphone or tablet PC.	
RFID TAGs supported:	UHF Class 1 Gen 2 (EU) RFID (incl. EPC) TAGs	
Read Range:	Up to 150 cm (Depends on RFID TAG type and shape)	Working time: typical 10 hours
Frequency*:	865...868 MHz (US version on request)	* = At room temperature 20°C
ISO Standard:	ISO/IEC18000-6C	
Material / IP Rate:	Plastic with stainless steel bottom	IP54
Dimensions / Weight:	60 mm x 47 mm x 13 mm, + Standard Wristband	ca. 40 g
Interfaces: Communication:	USB type C female, Bluetooth™ BLE GATT	Bluetooth Transmission Distance: up to 10 m (in open environment)
Power Supply: Charging:	USB C. 3.7 VDC, 0.5 A, charging time about 2 hours	Lithium-Ion 250 mAh rechargeable battery is integrated.
Power consumption:	SLEEP typ. 5µA , IDLE typ. 18 mA, ACTIVE: max. 350 mA	
Switch: Operation modes:	1 Power On/Off button	DOC or SPC (programmable)
Display / Sound:	LED indicators power (white), RF state (red/green), connect (blue), battery state (orange)	Buzzer, Vibration
Operating / Storage Temperature:	-20°C ... +60°C	Storage: -20°C .. . +65°C Charging: 0°C … +45°C
Certification:	CE Examine EN302208	RoHS ✔
Part Description:	arfiMove LR BT-WRB-UHF-EU	Part-No.: 123457260

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Rev. 01

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Connected via Bluetooth™ to smartphone

This UHF WRISTBAND RFID reader is used by system integrators/companies to read UHF Class 1 Gen 2 RFID tags, and to send the data in real time to a smartphone, tablet, PDA, PC by using Bluetooth™ wireless technology. You can collect UHF tag data offline and send it via Bluetooth or USB to the host.

App, API and SDK are available for Android™ based devices.

This device could be used as part of a system solution where handsfree UHF RFID reading is required to connect and combine the benefits of smart phones or tablets as host computer. A nearly perfect solution by using the benefits and capabilities of location tracking by GPS and RFID to help blind people to find correct entrance doors to offices in buildings or to get information about point of interests.

Applications:

♦   Access Control (Registration of attendees/visitors by guards on exhibitions, conferences, events etc.)

♦   Blind People Guiding System

♦   Industrial ID

♦   Inventory (Asset Management)

•   Logistics

♦   Maintenance, Service, Inspection

♦   Waste Management

♦   Your application

Accessories: Standard USB C cable

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