



**arfiMove ExMR-UHF-iRFID500**  
**ATEX / IECEx<sup>®</sup> Zone 1 certified**  
**Mobile**  
**UHF RFID Reader**  
**with**  
**Bluetooth Interface**  
**ISO18000-6**

<b>Product:</b>	ATEX/IECEX <sup>®</sup> certified UHF RFID Low Range Reader with integrated antenna and Bluetooth-Interface for short distance reading of 868 MHz UHF TAGs. This reader is perfect for inspection, service and maintenance applications in hazardous areas in oil & gas and chemical industries.	
<b>RFID UHF TAGs/Chips supported:</b>	ISO18000-6 Class 1 Gen 2 UHF ICs	
<b>Typical Read Range:</b>	Up to 1 m	(Depends on RFID TAG type/shape)
<b>Frequency:</b>	ETSI EN 302 208 v. 1.4.1: 865.6 ... 867.6 MHz	US: 902—928 MHz (FCC part 15.247)
<b>Standards:</b>	ISO18000-6C / EPC	(At room temperature 20°C)
<b>ATEX Marking:</b>	 A II 1 GD Ex ia IIC T4 Ga, Ex ia IIIC T135 Da A I M1 Ex ia I Ma	US & Canada: MET Class I, II, III Div 1, Groups A-G
<b>Dimensions / Housing / Weight:</b>	128 x 59 x 22 mm    150 g	IP65 Black and blue housing
<b>Interface (Protocols):</b>	Class 2 Bluetooth 2.1 + EDR, 10 m range	Micro USB
<b>Battery Live:</b>	Up to 12 hours by reading 1000s of tags	(connected via Bluetooth)
<b>RF Power:</b>	0...200 mW	<b>OS compatibility:</b> Windows, Android, HID profile, Virtual com port
<b>Memory Capacity:</b>	48K - 4096 EPC Codes	
<b>Display:</b>	LCD alphanumeric (8 characters x 2 lines)	2 LEDs (power and communication)
<b>Operating/Storage Temperature:</b>	-20°C ... + 55°C	-25°C ... + 70°C
<b>Certification:</b>	 ATEX / IECEx Zone 1	<b>RoHS</b> ✓
<b>Part Description:</b>	arfiMove-ExMR-UHF-iRFID500	Part-no. 123457022

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This ATEX certified RFID reader is used by system integrators or end-users in hazardous area to read UHF RFID TAGs stand alone and or to send the data to a PC/host by Bluetooth interface. SDK Software development kits for both Windows and Android are available, enabling you to build closer integrations between the iRFID500 and your systems for a personalised solution that directly suits your application.

**Suitable ATEX certified RFID TAGs are also available.** We are looking forward to your request.

**APPLICATIONS:**

- ◆ Reading of UHF RFID TAGs in hazardous area
- ◆ Industrial ID in hazardous area
- ◆ Industrial Inspection in hazardous area
- ◆ Inventory in hazardous area
- ◆ Maintenance and Service in hazardous area
- ◆ Your application in hazardous area

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