arfiStat ExSR-UHF
iRFID-101-DC2
ATEX / IECEx® Zone 1 / 21 certified
Vehicle Access Control
EPC CLASS 1 GEN 2 UHF Reader
Ethernet Interface
ISO18000-6

arfiStat ExSR-UHF iRFID-101-DC2
Fixed Zone 1 / 21 passive UHF RFID READER SYSTEM
Ideal for VEHICLE ACCESS CONTROL

- Explosion proof for use in Zone 1 and 21
- ATEX and IECEx approved
- High Quality RFID Reader hardware (Made in Germany)
- Read a wide range of passive RFID TAGs
- 2 Suitable External Antennas included
- Long Read range up to 10 m
- IP66 for Industrial Environments
- -20°C ... + 55°C

arfidex GmbH I Adlerstr. 2 I D-63322 Rödermark I Germany I Phone: +49 (0) 6074 861930

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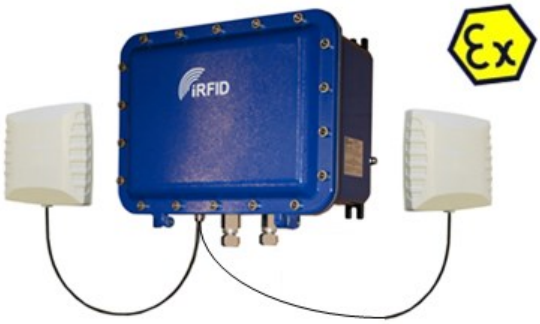
Rev. 01



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arfiStat ExSR-UHF is an UHF Vehicle Access Control Reader that combines the features of a RFID reader and an access controller in one device.

Place of use in hazardous area is everywhere where vehicles should be granted permanent access to employee parking lots, driveways to companies, authorities or other closed facilities (Perimeter Protection).

For identification of a vehicle in connection with the **arfiStat ExSR-UHF** passive, maintenance-free UHF transponders are used, which can be stuck behind the windscreen of the vehicle. **arfiStat ExSR-UHF** has a secure key store with full support of transponders with encryption techniques according to EPC Class 1 Gen 2 V2 specification like NXP UCODE DNA to provide maximum security of your application. This allows a secure authentication of detected transponders and prohibits access of transponders with cloned serial numbers.

With **arfiStat ExSR-UHF** nearly 9.000 access permissions can be managed and approx. 3.000 access control events can be stored. Each user can be assigned to additional temporal access parameters. For this, there are 15 user-definable time zones available. Holidays and vacation days can be included, easily.

To monitor multiple lanes or the simultaneous checking of entry and exit, there are two antenna ports available.

Programming & Administration

Using the free software myAXXESS Manager, user data and access parameters can be easily administrated on a PC and transferred to **arfiStat ExSR-UHF** by using a temporary network connection. After the transfer of user data, the reader can run offline as a stand-alone device.

With the help of a USB stick, the event buffer as well as the entire configuration including the access authorization can be read out on the **arfiStat ExSR-UHF**. The simple "configuration cloning" allows this configuration to be conveniently copied to other devices by the same route.

The "Teach-In Mode" is used to teach the transponders to be accessed without the use of the software. If the reader is in this mode, all read transponders are automatically transferred to the access database.

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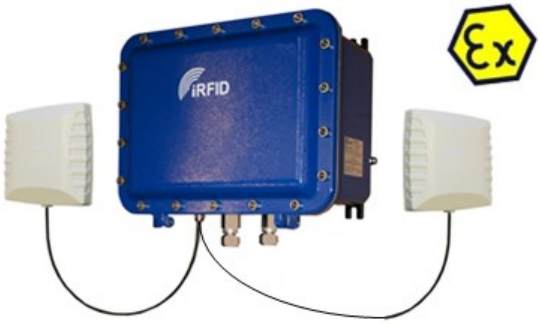

Product Description:	ATEX/IECEx® Zone 1 / 21 certified VEHICLE ACCESS CONTROL - UHF Reader System, 865-868 MHz, 2 W ERP, Read Range up to 12 m, 2 x External Antennas, 2 x 20 m Antenna Cables, 1 Ethernet Cable, 24VDC Power Supply, EU Power cable, Mounting Brackets for Pole Mounting (incl. free of charge ACCESS Control Software configurable via Ethernet interface)	
RFID UHF TAGs/Chips supported:	860 - 960 MHz EPC CLASS 1 GEN 2: ALIEN Higgs series, NXP-UCODE series, Impinj Series	
Typical Read Range:	up to 10 m	(Depends on RFID TAG type/shape)
Frequency: **Standards:**	EU-Version: 865 … 868 MHz ISO18000-6	
ATEX Marking:	II 2 (1) GD Ex d [ia IIC Ga] IIB+H2 T5 Gb Ex tb [ia Da] IIIC T100°C Db	**Safety Conformity:** Low Voltage: EN 60950 Human Exposure: EN 50364
Dimensions / Housing / Weight:	415 x 340 x 168 mm / about 21 kg	IP66, Blue Marine Grade Aluminium housing
Interface (Protocols):	Ethernet, USB (Mini) on the go	
Power Supply: **Output Power:**	Integrated 24 V ± 10% V DC max. 2 W ERP	
External Antennas:	2 x Rugged RFID Circular Polarisation 7dBi Patch Antennas IP66, N-Type female	
Operating/Storage Temperature:	-20°C ... + 55°C / -20°C ... + 85°C	Rel. Humidity: 5% - 95% (non cond.)
Certification:	CE Ex ATEX/ IECEx® Zone1 / 21 RoHS ✔	Radio Approval: EN302 206 EMC: EN301 489
Part Description:	arfiStat-ExSR-UHF-LR-AC-DC-2	Made in Europe

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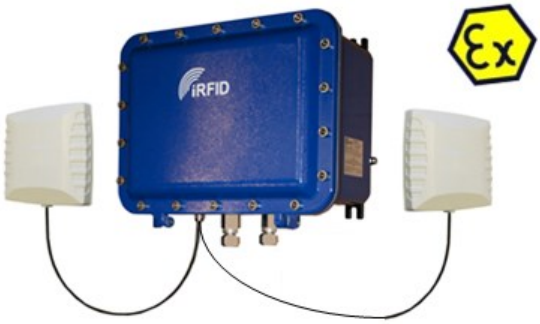

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This ATEX/IECEx® Zone 1 / 21 certified RFID reader is used by system integrators or end-users in hazardous area to read UHF RFID TAGs and to send the data to a PC/host by Ethernet interface.

The Ethernet connection allows easy integration into your office or industrial 4.0 IoT computer network.

Suitable ATEX certified ISOCards or Keyfobs are also available. We are looking forward to your request.

APPLICATIONS:

- Reading of UHF Windshield, ISOCard or Keyfob RFID TAGs
- Access Control
- Industrial ID
- Industrial Access Switch
- Time Attendance
- Your application

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