arfiStat-868-SR-M30
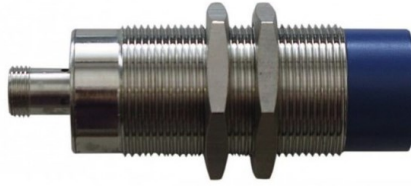# Industrial RFID
Short Range UHF Reader
865...868 MHz
RS232 or RS485
CANbus or CANopen
Interface
ISO18000-63

Product Description:	**Industrial Rugged UHF RFID ShortRange Reader with integrated antenna** and **RS232 or RS485 or CANbus or CANopen Interface** for short pre-configurable distance reading of 868 MHz UHF TAGs. Designed for use in harsh industrial environment like production line.	
RFID UHF TAGs/Chips supported:	865...868 MHz: ALIEN Higgs Series, Impinj Monza Series, NXP U-Code Series Class 1 Gen 2 EPC TAGs	
Read Range:	up to 40 cm	(Depends on RFID TAG type/shape)
Frequency: Standards:	865...868 MHz (At room temperature 20°C)	ISO18000-63, EPC Class1 Gen 2
Operating Systems: SW Development Kit:	Microsoft Windows™	C#, C++, serial command protocol
IP / Dimensions Housing / Weight:	Ingress Protection: IP67 Reader Housing: M30 x 1.5 x 90.65 mm 115 g	**Integrated Antenna:** Integrated double feed point Ceramic Antenna
Housing material:	Nickelled brass + Polycarbonate (PC)	
Optional Interfaces:	RS232, RS485, CANbus, CANopen	
Power Supply:	10 - 36 V DC	
Status display mode:	1 x bicolor LED indicator	
Operating/Storage Temperature:	-20°C ... + 55°C	-20°C ... + 65°C
Certification:	CE	**RoHS** ✔
Part Description:	arfiStat-868-SR-M30-XXX	XXX = 232 or 485 or CANb or CANo

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arfidex RFID Reader Datasheet

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Regions supported:	Europe and other regions following ETSI EN 302 208 with & without LBT regulations. Other regions on request.
RF output power:	Max. 0.5 W (+27dBm) software configurable
Power consumption:	+24 dBm / 250 mW
RF input sensitivity:	- 87 … -51 dBm software configurable
Antenna gain:	-8 dBic
Beam width:	100°	170°
Axial ratio:	< 1.5 dB
Polarization:	circular
Humidity:	5% to 95%, non-condensing
Connector Type:	Circular 5 pin M12 A-coded male connector
Applicable standards:	

EMC:	EN 301489-1:2012-04 (v1.9.21)	EN 301489-3:2013-12 (V1.6.1)
Radio regulation:	EN 300330-1:2015-08 (V1.8.1)	EN 300330-2:2015-08 (V1.6.1)
Safety:	EN 60950-1:2014-08, EN 62369-1:2010-03	EN 50364:2010-11

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This UHF RFID reader with integrated antenna is used by system integrators or end-users to read UHF RFID TAGs and to send the data to a PC/host by different interface options.

It is perfectly designed to be used in production line environment because of the various interface options.

Applications:

♦ Reading of UHF RFID TAGs in production line area.

♦ Industrial ID

♦ Your application

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