arfiStat-868-LR-P-UHF

Industrial RFID

Long Range UHF Reader

865...868 MHz

Ethernet (incl. PoE), USB-C, RS232, RS485 Interfaces

ISO18000-6B/-6C

EPC Class 1 Gen 2

Product Description:	**UHF RFID Long Range Reader for 4 external antennas and Ethernet (incl. PoE), USB-C, RS232, RS485 Interface** for long pre-configurable distance reading of 868 MHz UHF TAGs.	
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 10 mm (with long range UHF TAGs)	(Depends on RFID TAG type/shape)
Frequency: **Standards:**	865...868 MHz (At room temperature 20°C)	ISO18000-6C/-6B, EPC Class1 Gen 2
Operating Systems: **SW Development Kit:**	Microsoft Windows™	DLL support, Libraries Java, .NET, Python
Dimensions Housing :	210 x 100 x 48 mm	CoO: Made in Germany
Power Supply / Interface:	10-30V DC (± 10%) / Power over Ethernet	USB C, RS232, RS485, Ethernet
Output Power **Power Consumption:**	Max. 1 W (30 dBm)	up to 2 A
Status display mode:	LED indicator lights	
Inputs/Outputs: **Antenna Connector:**	4x 24V outputs, 2x optically isolated 24V inputs	4x R-TNC, 50 Ohm
Operating/Storage Temperature:	-20°C ... + 70°C	-20°C ... + 70°C
Certification:	CE ETSI 302 208	RoHS ✔
Part Description:	arfiStat-868-Long-Range-UHF-Reader-Pulsar-LR-USB-RS232-PoE	**Part-No.:** 123457325

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This UHF RFID readeris the right tool for the hardest UHF RFID applications. It supports 4 external antennas and it is used by system integrators or end-users to read or write UHF RFID TAGs and to send the data to a PC/ host by several interfaces. The four antenna ports give you the flexibility to build complex RFID devices, such as RFID gates and tunnels. The number of antennas can further be extended using our multiplexers to up to 64 read points if you want to build an RFID smart shelve or a similar application.

Thanks to the Power-over-Ethernet feature, integrating the reader into your system is easier than ever.
At the same time, the product supports all legacy connections like RS232 and RS485 and can be powered by a classical 24V DC power supply. The industrial 24V inputs and outputs allow you to connect a photocell directly to the reader to trigger the scanning process or connect a stack light to signal something to the user.

The revolutionary improvement is in the internal software. With its Embedded Linux core the reader has much more processing power than any other arfidex product which offers several advantages: The entire product can be controlled via the browser, so no local software needs to be installed. The reader is also the first of new products to include the “Smart Reader” feature. This optional mode can process data directly on the device and write scan results to a REST path or an SQL database – thus saving you the need for a dedicated RFID middleware.

Applications:

- ♦ Read and write of UHF RFID TAGs.
- ♦ Industrial ID an logistics
- ♦ Long Range gates or tunnels
- ♦ Your application

Related Antennas in IP65 housing:

E-5P Wide Beam Width (100°)

Read Range up to 3 m

E-6P Wide Beam Width (84°)

Read Range about 6m up to 12 m

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