

LF Industrial Reader Advant Controller 1CH



Applications

- Industrial Automation
- Asset Tracking
- Animal ID
- Waste Management

Features

- 125 kHz
- Read-Only + Read/Write
- 1 Antenna Port
- Possibility of using different RFID Standards parallel in one Application
- Read Modes: Buffered Read Mode, Scan Mode and Notification Mode
- Integrated I/O Ports
- Diagnostic Mode via USB
- Multiple Interface Options
- Ruggedized Product Design and Enclosure
- Common SDK for all BLUEBOX Products
- BLUEBOX SHOW Applications Software
- CE approved

Description

The BLUEBOX LF - Advant Controller 1CH is a read/write device with one antenna port. This powerful device can achieve a reading distance of up to 30 cm. The BLUEBOX LF - Advant Controller allows near field and short-range applications.

The combination of a modern RF module and an up-to-date controller engine enables a fast data processing and high reading rates in one device. The powerful BLUEBOX SDK allows the fast development of extensive applications.

Technical Data

Electrical Specifications

Power Supply	24 VDC ± 10 %
Power Consumption	3.5 W
Operating Frequencies	125 kHz
Operating Distance	up to 30 cm
Connectors	M12
Antenna Connector	Lumberg
Digital I/O	2 (opto-isolated)
Interfaces	RS232/485, Profibus, Modbus, Ethernet
Memory Extension	Micro SD-Slot

Mechanical Specifications

Housing-Material	Aluminium
Dimensions	110 x 140 x 60 mm
Weight	approx. 600 g
Protection Class	IP65

Environmental Conditions

Operating Temperature	-20 °C to +65 °C
Humidity	5 % to 95 %

Applicable Standards

EMC	EN 301 489-3
Radio Regulation	EN 302 208-2
Safety	CEI EN 60950-1 CEI EN 50364

SDK Information

Supported OS	Windows 7, 8
Supported Languages	C#, C++, serial command protocol

Supported Standards / Tags

EM410x (UNIQUE), EM4x50 (TITAN), EM4305, NXP Hitags S, Q5

*Reading distance depends on tag, antenna and environmental conditions

Order Codes

Version	Order Code
RS232/RS485	R-IN-LF-5231L
Ethernet	R-IN-LF-5232L
Profibus	R-IN-LF-5233L
Modbus (TCP)	R-IN-LF-5232L-MB

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