

LF Industrial Reader Basic Controller with Integrated Antenna



Applications

- Industrial Automation
- Supply Chain
- Animal ID

Features

- 125 kHz Read Only + Read/Write
- Integrated Antenna
- Possibility of using different RFID Standards parallel in one Application
- Read Modes: Scan Mode and Notification Mode
- Integrated I/O Ports
- 4 LEDs for Status Information
- Ruggedized Product Design and Enclosures
- Common SDK for all BLUEBOX Products
- BLUEBOX SHOW Applications Software
- CE approved

Description

The BLUEBOX LF - Basic Controller with Integrated Antenna can achieve a reading distance of up to 15 cm. The combination of a modern RF module with the up-to-date BLUEBOX SDK enables an easy start for ambitious developers.

Technical Data

Electrical Specifications	
Power Supply	24 VDC \pm 10 %
Power Consumption	3.5 W
Operating Frequencies	125 kHz
Operating Distance	up to 15 cm
Connectors	PG9
Antenna Connector	Internal Antenna
Digital I/O	2 (opto-isolated)
Interfaces	RS232/RS485

Mechanical Specifications	
Housing-Material	PC
Dimensions	110 x 140 x 60 mm
Weight	approx. 430 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-5121L

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