

LF Industrial Reader Advant Controller with Integrated Antenna



Applications

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

Features

- 125 kHz + 134.2 kHz (optional)
- Read-Only + Read/Write
- Integrated Antenna
- 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
- Integrated Webserver for remote Access to Controller
- Common SDK for all BLUEBOX Products
- BLUEBOX SHOW Applications Software
- CE approved

Description

The BLUEBOX LF - Advant Controller with Integrated Antenna can achieve a reading distance of up to 15 cm. The BLUEBOX LF - Advant Controller is the perfect device for applications with limited space for installations and the demand for good reading ranges.

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. iDTRONIC's BLUEBOX Controller & Antenna family is well suited for industrial and enterprise applications where reliable, robust and well performing products are needed. All components are designed as a powerful combination for an easy and cost efficient system installation.

Technical Data

Electrical Specifications	
Power Supply	24 VDC ± 10 %
Power Consumption	3.5 W
Operating Frequencies	125 kHz + 134.2 kHz (optional)
Operating Distance	up to 15 cm
Connectors	M12
Antenna Connector	Internal Antenna
Digital I/O	2 (opto-isolated)
Interfaces	RS232/485, Ethernet, Profibus, Modbus
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-5221L
Ethernet	R-IN-LF-5222L
Profibus	R-IN-LF-5223L
Modbus (TCP)	R-IN-LF-5222L-MB

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