# iDTRONIC
PROFESSIONAL RFID

## LF Industrial Reader
# Advant Controller 2CH

## Applications

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

## Features

- · 125 kHz
- · Read-Only + Read/Write
- · 2 Antenna Ports
- · Solutions for Near Field + Short-Range Applications
- · 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 Enclosures
- · Common SDK for all BLUEBOX Products
- · BLUEBOX SHOW Applications Software
- · CE approved

## Description

The BLUEBOX LF - Advant Controller 2CH is a read/write device with two antenna ports. 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. Both antennas can be detected seperately and work independently. Therefore it's the perfect device where several reading points are required.

The combination of a modern RF module with two antenna ports 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 | 4.5 W |
| Operating Frequencies | 125 kHz |
| Operating Distance | up to 30 cm |
| Connectors | M12 |
| Antenna Connector | 2x 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<br>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-5241L |
| Ethernet | R-IN-LF-5242L |
| Profibus | R-IN-LF-5243L |
| Modbus (TCP) | R-IN-LF-5222-MB |

For further information & prices, please contact info@idtronic-rfid.com