iDTRONIC
PROFESSIONAL RFID

UHF Industrial Reader
Access Control Gate

Applications

- Access Control

Features

- Robust and resistant Construction
- Ethernet Interface or RS232
- Modern Design
- Recommended Portal Clearance of up to 200 cm

Includes

- 2x Antenna Panels with 4 UHF Basic Antennas Circular
- 1x BLUEBOX UHF LR 4CH
- 1x Power Supply 12V
- All Cables

RFID Options

- UHF (EPC C1G2 / ISO18000-6C)

Description

The iDTRONIC BLUEBOX Access Control Gate UHF is a high performance solution for access control applications. It is equipped with the BLUEBOX UHF Long-Range 4CH. The switching between the single antennas can then be managed with the integrated multiplexer and the Controller SW.

Each antenna panel has two circular polarized antennas for enabling 3D tag reading independent from the orientation of the tag. The recommended clearance between the 2 panels is < 2m. Thanks to the ethernet interface it is easy to integrate this portal into the network. A RS232 version is also available.

Technical Data

Features - BLUEBOX UHF LR 4CH
840 – 960 MHz
Supports ISO18000-6C & EPC C1G2
ISO18000-6B available as Option
Up to +32 dBm (Software adjustable)
Up to 4 Antennas can be connected
Solutions for Mid- & Long-Range applications
Possibility of using different RFID Standards parallel in one Application
Several Standard Read Modes like Buffered Read Mode, Scan Mode, Notification Mode & RSSI Control
Integrated I/O Ports
Micro SD Slot for Memory Extension
Diagnostic Mode via USB
Multiple Interface Options
Ruggedized Product Design and Enclosures
Integrated Webserver for Remote Access to Controller
Common SDK for all BLUEBOX Products
BLUEBOX SHOW Test/Configuration Software
CE & FCC approved

Features - Basic Antenna Circular
Stable Performance
Circular polarized
Able to read out multiple orientated Tags
Operation RF Frequency range of 840 – 960 MHz
Antenna Gain 7dBic

Mechanical Specifications	
Housing-Material	Frame-Steel + Powder Coated Silver Aluminium Side panels Acrylic, white
Dimensions	155 x 50 x 6cm (each Panel)
Weight	16kg (2 Panels with Controller)

Environmental Conditions	
Operating Temperature	0 °C to +50 °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

*Reading distance depends on tag, antenna and environmental conditions

Order Codes

Version	Order Code
RS232	R-IN-UHF-5101U
Ethernet	R-IN-UHF-5102U

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