UHF Industrial Reader
Evaluation Gate

Description

iDTRONIC’s BLUEBOX UHF - Evaluation Gate consists of the BLUEBOX UHF Long-Range Controller 4CH plus 4 Circular polarized UHF Basic Antennas and all material to easily evaluate the product in a gate configuration.

The BLUEBOX Evaluation Gate UHF is specially configured for developing UHF Long Range applications. It is a complete solution in hardware and software, including software tools with drivers, demo application and full SDK to start the development of your specific application.

Applications

- Asset Tracking
- Access Control

Includes

- 1 pc. BLUEBOX UHF Long-Range Controller 4CH (RS232 version)
- 4 pc. BLUEBOX UHF Basic Antenna with Circular Polarization
- 2 pcs. Stand
- 2 pcs. Coaxial Cable 3 m
- 2 pcs. Coaxial Cable 6 m
- 1 pc. RS232 cable
- 1 pc. Power Supply 12 V
- 1 pc. Mounting Bracket for Controller
- 4 pcs. Mounting Brackets for Antennas
- 2 pcs. Transport Bags
- 1 pc. CD (incl. Manuals; SDK with BLUEBOX SHOW App. SW)

RFID Options

- UHF (EPC C1G2 / ISO18000-6C)
## 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 Webservice 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

### Applicable Standards

<table>
<thead>
<tr>
<th>Standard</th>
<th>EN/CEI Value</th>
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<tbody>
<tr>
<td>EMC</td>
<td>EN 301 489-3</td>
</tr>
<tr>
<td>Radio Regulation</td>
<td>EN 302 208-2</td>
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<td>Safety</td>
<td>CEI EN 60950-1, CEI EN 50364</td>
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### SDK Information

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<thead>
<tr>
<th>Supported OS</th>
<th>Windows XP, Vista, 7, 8</th>
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<tr>
<td>Supported Languages</td>
<td>C#, C++, serial command protocol</td>
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*Reading distance depends on tag, antenna and environmental conditions

### Order Codes

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<tr>
<td>R-IN-UHF-EVAG</td>
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