

BLUEBOX UHF – Evaluation Gate



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.

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 hard- and software, including software tools with drivers, demo application and full SDK to start the development of your specific application.

The BLUEBOX UHF - Evaluation Gate includes:

- 1 pc. BLUEBOX UHF Long-Range Controller 4CH (RS232 version)
- 4 pc. BLUEBOX UHF Basic Antenna with circular polarization
- 2 pc. Stand
- 2 pc. Coaxial cable 3 m
- 2 pc. Coaxial cable 6 m
- 1 pc. RS232 cable
- 1 pc. Power supply 12 V
- 1 pc. Mounting bracket for Controller
- 4 pc. Mounting brackets for antennas
- 2 pc. Transport bags
- 1 pc. CD (incl. Manuals; SDK with BLUEBOX SHOW App. SW)

Applications

- Access Control
- Asset Tracking



Components

General features - BLUEBOX UHF Long-Range Controller 4CH

The BLUEBOX UHF – Controller Long-Range 4CH is a Read/Write device with 4 Antenna Ports for the connection of up to 4 external antennas. This powerful device can achieve a reading distance of up to 6 meter with SW adjustable RF power of up to +30 dBm. 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. The controller can be set up for both the European (ETSI) and the North American (FCC) market.



- 865–928 MHz (ETSI & FCC)
- 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

General features – Basic Antenna Circular

iDTRONIC's Basic Antenna Circular UHF is a high-performance device. Through its circular polarized setting, the user will be able to read out the tags in multiple 3D orientations.



- Stable performance
- Circular polarized
- Able to read out multiple orientated tags
- Operation RF Frequency range of 865-960 MHz
- Antenna Gain 7dBic

Order Code

R-IN-UHF-EVAG