BLUEBOX UHF – USB Encoder



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.

The BLUEBOX UHF – USB Encoder is a Read/Write device with integrated antenna. This powerful device can achieve a reading distance of up to 15 cm with SW adjustable RF power of up to +20 dBm. The BLUEBOX UHF – USB Encoder is an easy-to-use UHF RFID Reader for your PC or Working station, and with its USB 2.0 interface high speed data transfer is enabled. The combination of a modern RF module with the up to date BLUEBOX SDK enables an easy start for ambitious developers. This powerful device is available as an ETSI version for the European market or an FCC Version for the North American market.

Applications:

- Industrial Automation
- Tag Encoding
- Waste Management
- Access Control



Features

- 865–867 MHz (ETSI) or 902–928 MHz (FCC)
- Supports ISO18000-6C & EPC C1G2
- Up to +20 dBm (Software adjustable)
- Internal antenna
- Solutions for Near Field & Short-Range applications
- Possibility of using different RFID standards parallel in one application
- Connection via USB
- 4 LEDs for status information
- Ruggedized product design and enclosure
- Unique SDK for all BLUEBOX products
- BLUEBOX SHOW applications software
- CE & FCC approved

Technical Data

Mechanical Specifications

Housing-Material: PC

Dimensions: $90 \times 160 \times 30 \text{ mm}$

Weight: 400 g Protection Class: IP65

Electrical Specifications

Power Supply: via USB

Operating Frequencies: 865–867 MHz (ETSI) or

902-928 MHz (FCC)

Output Power: +20 dBm (SW adjustable)

Operating Distance: Up to 15 cm

Connectors: USB, cable length 1.2 m

Environmental Conditions

Operating Temperature: -20 °C to +55 °C

Humidity: 5 % to 95 %

Features

Supported Transponders: ISO18000-6C,

EPC Class 1 Gen 2

Working Modes: Scan Mode

Status Display: 4 LEDs

Applicable Standards

Radio Regulation: CE & FCC

Order Code 3122U

BLUEBOX optional Accessories

Mounting and connection kits are available for all BLUEBOX Controllers and Antennas, which guarantee easy installation.

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The accessories are optional and not included by delivery