

BLUEBOX UHF

Low-Range Antenna



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 Low-Range Antenna UHF is a high-performance device which can be used in combination with the BLUEBOX UHF Controllers. It enables the UHF Low-Range reading of up to 8 cm.

Thanks to its specification, small dimensions and robust housing, this UHF Low-Range Antenna can be used with UHF Near-Field Tags as well.

Features

- Small dimension
- Stable performance
- Easy to integrate with UHF Basic or Mid-Range Controller
- Able to read out multiple disorientated tags
- Operation RF Frequency range of 865–960 MHz (Global)

Applications

- Industrial Automation
- Supply Chain
- Asset Tracking
- Near-Field Reading



Technical Data

Mechanical Specifications

Housing-Material:	PC
Dimensions:	90 × 63 × 31 mm
Protection Class:	IP67

Electrical Specifications

Operating Frequencies:	865 – 867 MHz (ETSI) & 902 – 928 MHz (FCC)
Operating Distance:	Up to 8 cm (Up to 3 cm with NF tags)
Antenna Connector:	TNC-Female
EIRP:	> 15 dB
Antenna Gain:	< -30 dBi

Environmental Conditions

Operating Temperature:	-20 °C to +55 °C
Humidity:	5 % to 95 %

Supported Transponders

ISO18000-6B
ISO18000-6C
EPC Class 1 Gen 2

Applicable Standards

Radio Regulation:	CE & FCC
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Order Code

R-IN-UHF-9123U