

# BLUEBOX UHF

## Mid-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 Mid-Range Antenna UHF is a high-performance device which can be used in combination with BLUEBOX UHF Controllers. It enables the UHF Mid-Range reading of up to 2 meters. Through its circular polarized setting, the user will be able to read out the tags in multiple 3D orientations. Thanks to its specification, small dimensions and robust housing, this UHF Mid-Range Antenna can be used for Forklift or Access Control applications.

- Small dimension
- Up to 2 m reading range
- Circular polarized
- Easy to integrate with UHF Mid-Range Reader
- Able to read out multiple disorientated tags
- Operation RF Frequency ranges of 865–867 MHz (EU) and 902-928 MHz (US)

### Technical Data

#### Mechanical Specifications

Housing-Material:	PC
Dimensions:	154 × 126 × 36 mm
Protection Class:	IP67

#### Electrical Specifications

Operating Frequencies:	865 – 867 MHz (ETSI) or 902 – 928 MHz (FCC)
Operating Distance:	Up to 2 m
Antenna Connector:	TNC-Female
Antenna Gain:	4 dBic
Beam width:	30° / 70°
Axial Ratio:	2 dB
Polarization:	Circular

### Applications

- Industrial
- Supply Chain
- Asset Tracking
- Access Control



#### 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 Codes

ETSI: R-IN-UHF-9124U  
FCC: R-IN-UHF-9125U