

BLUEBOX UHF

Long-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 Long-Range Antenna UHF is a high-performance device which can be used in combination with BLUEBOX UHF Controllers. It enables the UHF Long-Range reading of up to 12 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 Long-Range Antenna can be used for applications like Access Control.

- Circular polarized
- Up to 12 m reading range
- Easy to integrate with UHF Long-Range Controller
- Able to read out multiple disorientated tags
- Operation RF Frequency range of 865–867 MHz (EU) and 902–928 MHz (US)

Applications

- Industrial Automation
- Supply Chain
- Asset Tracking
- Access Control



Technical Data

Mechanical Specifications

Housing-Material:	PC & Aluminum
Dimensions:	270 × 270 × 45 mm
Protection Class:	IP65

Electrical Specifications

Operating Frequencies:	865 – 867 MHz (EU) or 902 – 928 MHz (US)
Operating Distance:	Up to 12 m
Antenna Connector:	TNC-Female
Antenna Gain:	8.5 dBic
Beamwidth:	69° / 69°
Axial Ratio:	1 dB
Polarization:	Circular

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-9126U
FCC: R-IN-UHF-9127U