



BLUEBOX UHF HIGH-GAIN LONG-RANGE ANTENNA

APPLICATIONS

- Industrial Automation
- Supply Chain
- Asset Tracking
- Portals

FEATURES

- Circular polarized
- For dock-door gate solutions
- Easy to integrate with UHF Long-Range Controller
- Able to read out multiple disorientated tags

RFID OPTIONS

- 865 – 867 MHz (ETSI)
- 902 – 928 MHz (FCC)

DESCRIPTION

iDTRONIC's High-Gain LR Antenna UHF is a high-performance device which can be used in combination with the BLUEBOX UHF Long-Range Controller. It enables the UHF High-Gain reading of up to 10 meters (depending on type of Tag). Through its circular polarized setting, the user will be able to read out the tags in multiple 3D orientations. Thanks to its specification, this UHF High-Gain Antenna can be used for building UHF portals as well.

TECHNICAL DATA

ELECTRICAL SPECIFICATIONS	
Frequency Range	865 – 867 MHz (EU) 902 – 928 MHz (US)
Operating Distance	up to 10 m
Antenna Connector	TNC-Female
Antenna Gain	11 dBic
Beam width	30° / 70°
Axial Ratio	1 dB
Polarization	Circular

PHYSICAL / ENVIRONMENTAL SPECIFICATIONS	
Dimensions	555 × 262 × 59 mm
Housing Material	PC & Aluminium
Protection Class	IP65
Operating Temperature	-20 °C to +55 °C
Humidity	5% to 95%

SUPPORTED TRANSPONDER
ISO 18000 - 6B
ISO 18000 - 6C
EPC Class 1 Gen 2

ORDER CODES

VERSIONS	ORDER CODES
ETSI	R-IN-UHF-9128U
FCC	R-IN-UHF-9129U
Antenna Mounting Kit	R-IN-AC-9922U

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