

## UHF Long Range Antenna

iDTRONIC's UHF long range antenna is a circular polarized high performance device which enables the UHF long range reader to have reading distance up to 10 metres.

Through his circular polarized setting, the user will be able to read out the tags in multiple 3D orientations (Subject to local regulations).

### Features:

- Stable performance
- Circular polarized
- Easily integrate with UHF LR Reader
- Able to read out multiple orientated tags
- Operation RF Frequency range of 865 - 956MHz



### Product specification:

<b>Description:</b>	Plastic + Aluminum with chemical conversion coating (Based)
<b>Frequency:</b>	860 – 960MHz
<b>Dimensions:</b>	250 x 250 x mm
<b>RF Rating:</b>	6W (max)
<b>Weight approx.:</b>	500g
<b>Interface:</b>	1 x SMA connector (N-Type Female)
<b>Cable:</b>	RG58
<b>Impedance:</b>	50Ohm
<b>Operating distance:</b>	Up to 10M @ 1watt (Reader and Tag dependent)
<b>Operating temperature :</b>	-10°C to +60°C
<b>Gain:</b>	865-870 MHz @ 7 dBic (min) 902-928 MHz @ 7.5 dBic (min) 950-956 MHz @ 6.5 dBic (min)
<b>Polarization:</b>	Circular
<b>VSWR:</b>	1,2 : 1 (typ) 1,35 : 1 (max)
<b>Front to Back Ratio:</b>	-18dB (max)
<b>Accessoires:</b>	UHF LR Reader UHF Tags Mounting Kit
<b>Order number:</b>	R-LR-UHF-A 1