

# Quad<sup>IP</sup> - WANT021IP

**Circular Polarized  
Compact Antenna  
FCC**



## Overview

The **Quad<sup>IP</sup>** is a medium-short range RAIN RFID antenna in a compact and robust form factor.

The **Quad<sup>IP</sup>** antenna is well suited for building small RFID gates, read point for access control or to be installed on conveyors in industrial environments.

The high IP rating (IP67) permits to install the **Quad<sup>IP</sup>** antenna for outdoor solution or in harsh environments.

Thanks to the circular polarization, the reading range is not affected by the tag orientation.

## Technical Specification Table

<b>Frequency Range</b>	902÷928 MHz (FCC part 15.247)
<b>Polarization</b>	Right Hand Circularly Polarized (RHCP)
<b>Gain</b>	0.7 dBi typical
<b>Axial Ratio</b>	1 dB typical
<b>VSWR</b>	<1.5:1
<b>Nominal Impedance</b>	50 Ohm
<b>Dimensions</b>	- (L) 100 x (W) 100 x (D) 25 mm <sup>3</sup> - 3.94 x 3.94 x 0.98 inch <sup>3</sup>
<b>RF Connector</b>	SMA jack female, straight
<b>Radome</b>	Flame-resistant ABS UL94V-0
<b>Color</b>	Charcoal gray
<b>Weight</b>	140 gr.
<b>Operating Temperature</b>	-25 °C to +70 °C -13 °F to +158 °F
<b>IP Rating</b>	IP 67
<b>Material Substance</b>	RoHS compliant

## Features

- Designed for RAIN RFID short/medium range applications
- Frequency Range 902÷928 MHz
- Gain 0.7 dBi
- Circular Polarization

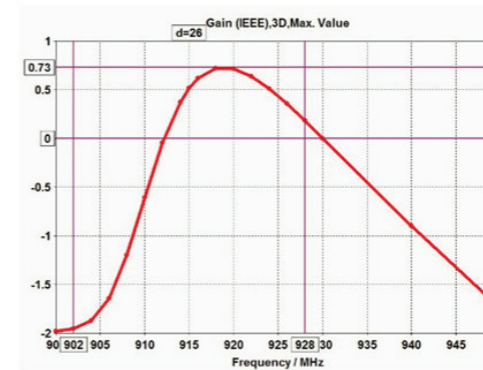
## Ordering Options

WANT021IPXXA	QuadIP - FCC
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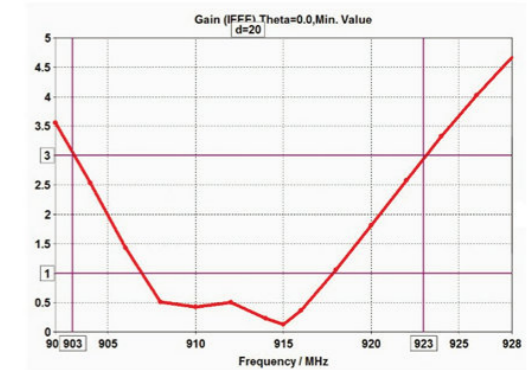


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## Antenna Gain



## Axial Ratio



## Radiation Patterns

