



WANT020IP

# Quad<sup>IP</sup>

## Circular Polarized Compact Antenna (ETSI)



### 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.

### Features

- *Designed for RAIN RFID short/medium range applications*
- *Frequency Range 865.6÷867.6 MHz*
- *Gain 0.2 dBi*
- *Circular Polarization*

### Technical Specification Table

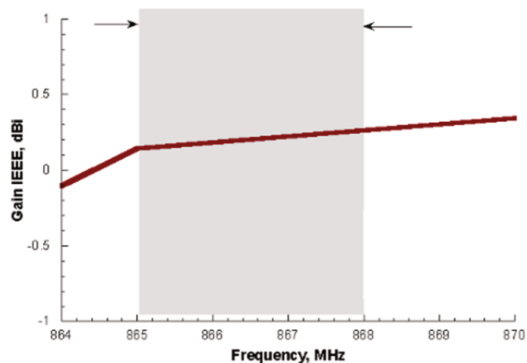
<b>Frequency Range</b>	865.6÷867.6 MHz (ETSI EN 302 208 v. 3.1.1)
<b>Polarization</b>	Right Hand Circularly Polarized (RHCP)
<b>Gain</b>	0.2 dBi typical
<b>Axial Ratio</b>	1 dB typical
<b>VSWR</b>	<1.5:1
<b>Nominal Impedance</b>	50 Ohm
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• (L) 100 x (W) 100 x (D) 25 mm<sup>3</sup></li> <li>• 3.94 x 3.94 x 0.98 inches<sup>3</sup></li> </ul>
<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 g
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• -25 °C to +70 °C</li> <li>• -13 °F to +158 °F</li> </ul>
<b>IP Rating</b>	IP67
<b>Material Substance Compliance</b>	RoHS compliant

### Ordering Options

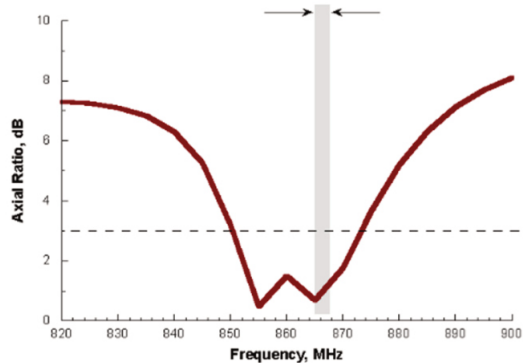
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# Details

### Antenna Gain

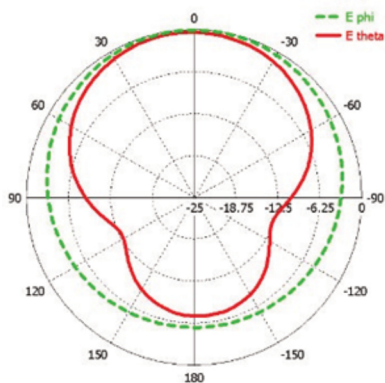


### Axial Ratio



## Radiation Patterns

### phi = 0



### phi = 90

