



# Mercury4 Antenna

## Why Your Antenna Matters

Antennas may seem simple, but they are the key to RFID success. Like tires on a car, they are the place where all the system's power converges to become performance. And nothing can save your RFID deployment from badly performing antennas.

## What To Look For In Your Antenna

Your antenna is the interface between an RFID reader and the world beyond. It must be ruggedly built to survive in extreme, real-world conditions that include dust, shock, vibration and very high or low temperatures. The most important electrical features of an RFID antenna are an excellent VSWR, indicating an efficient transfer of power from the reader to the antenna, dual circular polarization to ensure orientation independence and good performance with both single- and dual-element tags and good isolation to ensure minimal interference between the reader's transmitter and receiver. The Mercury4 Antenna is field proven to provide excellent performance.

## ThingMagic's Mercury4 Antenna

The ThingMagic Mercury4 antenna was designed with all these factors in mind. It uses separate transmit and receive elements to power tags at great distance in any orientation; is tuned and focused to send clean data and receive even weak signals; and is tough enough to withstand hostile deployment conditions. For more information, contact your Authorized ThingMagic reseller, visit [www.thingmagic.com](http://www.thingmagic.com), or call us at 1-866-833-4069.

## Specifications

<b>Dimensions</b>	710 mm X 306 mm x 41 mm (28" X 12" X 1.6")
<b>Weight</b>	3 Kg (7 pounds)
<b>Mounting pattern</b>	149 mm X 70 mm (5.9" X 2.75") threaded studs, .25 - 20 X .75" long
<b>Materials</b>	Aluminum and polymer
<b>Polarization</b>	Dual circular RH/LH
<b>Connectors</b>	Female reverse polarized TNC
<b>DC resistance</b>	0 to 10K Ohms
<b>Gain</b>	7dbi
<b>Frequency range</b>	902-928 MHz
<b>Isolation dB</b>	-37
<b>3 dB beam width</b>	60 degrees
<b>VSWR</b>	1.25
<b>Operating temperature</b>	0° to 50° C



ThingMagic-powered Generation 2 RFID readers are available from Acsis, ADT-Sensormatic, CIT, Icon-Nicholson, Omron, RFID Global Solution, Rush Tracking Systems, Venture Research, Zebra & other qualified partners. ThingMagic, Mercury4 and 'Reads Any Tag' are protected marks of ThingMagic Inc. Get Our Free Generation 2 White Paper at [www.thingmagic.com](http://www.thingmagic.com)



Specifications are subject to change without notice.