

Multi-Band 2.5/4dBi Omni MIMO antenna A2503S3-O

The A2503S3-O is a dual-band three-element omnidirectional antenna for use in 802.11n MIMO applications. Housed in a compact, low-profile radome, the antenna can be mounted on a mast, cabinet, or ceiling. It can also be mounted to a flush surface via the four mounting holes. Each of the three MIMO antenna elements is connected to the radio via a low loss, plenum-rated coax pigtail. The radiation patterns are uniform and symmetrical, providing high-level signal density into defined coverage zones. This antenna will greatly enhance the performance of 802.11n systems. The dual-band frequency coverage means that a single type of antenna can be deployed for 2.4-2.5 GHz band and 5.15 to 5.85 GHz band applications.



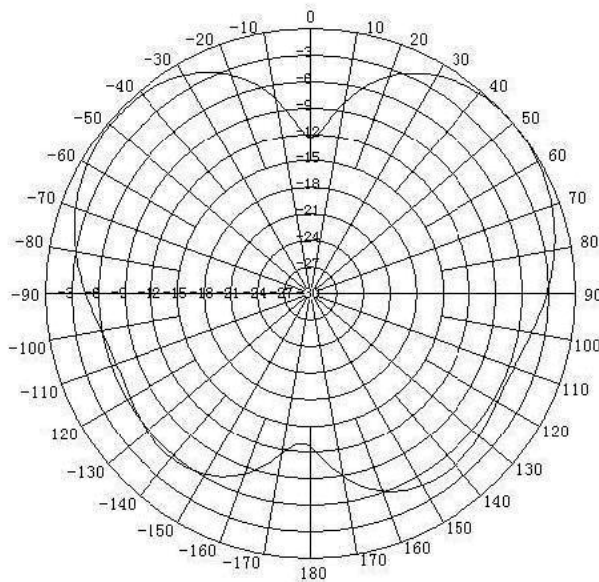
Features	Benefits
MIMO (Multi Input, Multi Output)	<ul style="list-style-type: none"> ◆ Three antennas within a single enclosure ◆ Send more data simultaneously, or ◆ Improve the ability of the radio to receive weak signals, therefore giving better range
Multi-Band	<ul style="list-style-type: none"> ◆ 2.4 and 5 GHz support for maximum versatility ◆ Maximizes 802.11n throughput through channel bonding using multiple frequency ranges ◆ Allows 802.11n radio to determine optimal rate to use based on environmental conditions and endpoint capabilities
Omnidirectional	<ul style="list-style-type: none"> ◆ Link multiple directional antennas in outdoor point-to-multipoint communication systems ◆ Cover large areas efficiently with 360-degree signal pattern ◆ Signal available to all radios within range
Backed by ProSoft Technology [®]	<ul style="list-style-type: none"> ◆ 20-year history of delivering high-quality, reliable solutions designed with you in mind ◆ Free, unlimited, worldwide Technical Support by phone anytime for pre-sale, set-up, or troubleshooting support help you get going sooner and stay running longer ◆ Three-Year Warranty ensures reliability and protects against equipment failures ◆ Free ProSoft Software tools tightly integrated with our gateway hardware...a simple and quick, total solution to help you make our gateways fit your applications ◆ Indoor/outdoor radio network design assistance – accessory selection, path studies, and site survey

Compatibility

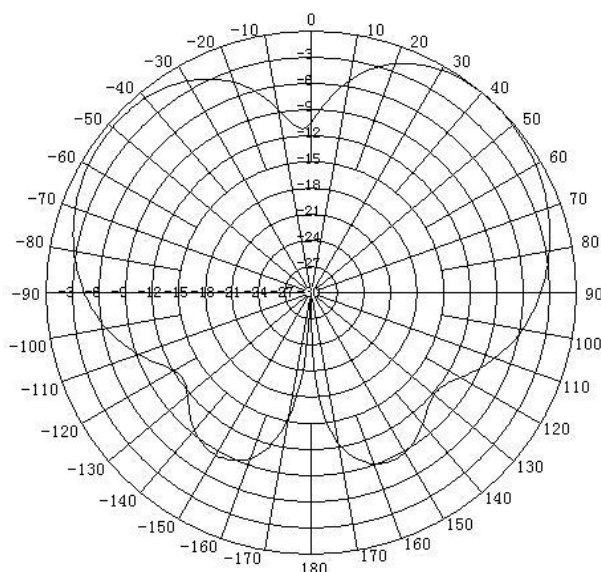
All antennas have been tested for compatibility with RadioLinX products. Please see the ProSoft Wireless Designer (PWD) configuration tool to assist you in choosing the best antenna for your application.

Specifications

Frequency Range	2.4 to 2.5 & 5.15 to 5.85 GHz
Gain	2.5 dBi for 2.4 to 2.5 GHz, nominal 4 dBi for 5.15 to 5.85 GHz, nominal
Maximum VSWR	2.5:1
Vertical Beamwidth	60°
Horizontal Beamwidth	Omnidirectional
Polarization	Vertical
Maximum Input Power	50 watts
Mechanical Size	6.9 x 3.0 x 1.1 inches (17.526 x 7.62 x 2.794 cm)
Weight	0.75 lbs (0.34 kg)
Antenna Connection	RPSMA plug (3x)
Operating Temperature Range	-22 to 158 deg F (-30 to 70 deg C)
Mount Style	Mast, surface, or ceiling



Vertical Radiation Pattern at 2.4 GHz



Vertical Radiation Pattern at 5 GHz



Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

For a complete list of products, visit our web site at:
www.prosoft-technology.com

Ordering Information

To order this product, please use the following:

Multi-Band 2.5/4dBi Omni MIMO antenna

A2503S3-O

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to:
www.prosoft-technology.com
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Specifications subject to change without notice.