

# DATASHEET

## 2.4 / 5 GHz MIMO Antenna 12 dBi Panel Antenna A2512NJ3-DP

The A2512NJ3-DP 12 dBi Panel Antenna contains three independent dual band antennas in a single housing. The antenna consists of two vertically and one horizontally polarized multi-patch antennas. It is designed primarily for MIMO point-to-multipoint and point-to-point applications. The antenna can be used with radios that support 1, 2, or 3 antenna ports.



### Features

- ◆ 3 independent antennas
  - ◆ 802.3 a/b/g/n radio applications
  - ◆ MIMO – Multiple-Input and Multiple-Output
  - ◆ Dual-polarity feed system in a single enclosure
  - ◆ UV-resistant radome for all weather elements
  - ◆ Includes tilt and swivel mast kits
-

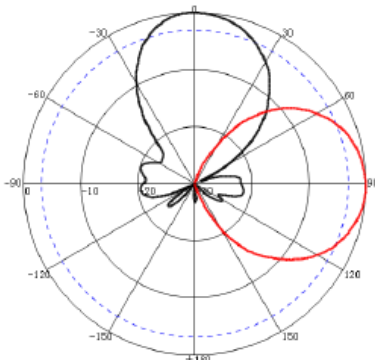
## Specifications

Specification	Description
Frequency Range	2400 to 2500 MHz 5125 to 5875 MHz
Gain	12 to 14 dBi
Pattern	Directional
VWSR	< 1.8
V pol Horizontal Beamwidth	86°
H pol Horizontal Beamwidth	75°
Vertical Beamwidth	23°
F/B Ratio	> 25 dB
Cross-pol Isolation	> 28 dB
Nominal Impedance	50 Ohm
Max Power	10 W
Connector	N-Female (3x)
Operating Temperature	-40° to 185°F (-40° to +85°C)
Rated Wind Velocity	130 mph (210 km/h)

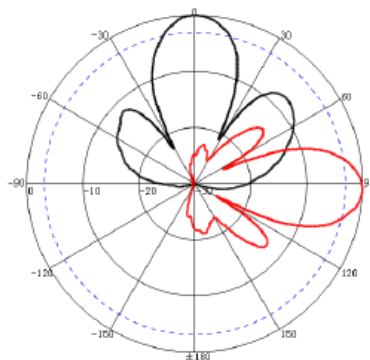
## Radiation Patterns

### H-Pol

2400 Mhz:

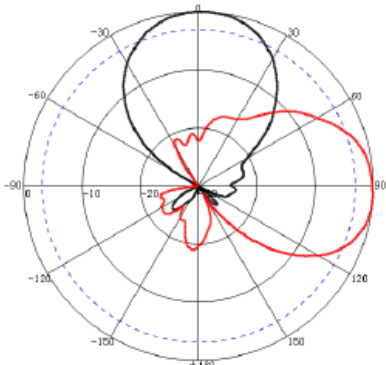


5125 MHz:

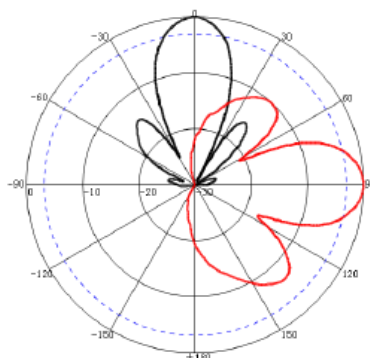


### V-Pol

2400 Mhz:



5125 MHz:



Where Automation  
Connects™

## Global Distribution

ProSoft Technology® products are distributed and supported worldwide through a network of over 500 distributors in over 50 countries. Our knowledgeable distributors are familiar with your application needs. For a complete list of distributors, go to: [www.prosoft-technology.com](http://www.prosoft-technology.com)

## Ordering Information

To order this product, please use the following:

**2.4 / 5 GHz MIMO Panel  
Antenna, 12 dBi**

**A2512NJ3-DP**

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](http://www.prosoft-technology.com)

and select *Where to Buy* from the menu.

Copyright © 2020 ProSoft Technology, Inc.

All Rights Reserved. 4/27/2020

Specifications subject to change without notice.