



## 2.4 GHz Sectorized Antenna

### A2416NJ-DS

All antennas have been tested for compatibility with RadioLinx products. Please see our Antenna Selection Guide to assist you in choosing the best antenna for your application.

The RadioLinx A2416NJ-DS Sectorized Antenna is ideal for the following applications:

- WiMax Applications
- Base Station Antennas
- 802.11b and 802.11g Wireless Systems
- Point to Multi-point Systems
- Broadband Wireless Access
- MMDS Applications

### How to Contact Us: Sales and Support

All ProSoft Technology® products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

#### Asia Pacific

+603.7724.2080, asiapc@prosoft-technology.com  
Languages spoken include: Chinese, Japanese, English

#### Europe - Middle East - Africa

+33 (0) 5.34.36.87.20, support.EMEA@prosoft-technology.com  
Languages spoken include: French, English

#### North America

+1.661.716.5100, support@prosoft-technology.com  
Languages spoken include: English, Spanish

#### Latin America (Sales only)

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Languages spoken include: Spanish, English

#### Brasil

+55-11.5084.5178, eduardo@prosoft-technology.com  
Languages spoken include: Portuguese, English

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The RadioLinx Sectorized Antennas are designed to provide maximum performance and reliability under the toughest weather conditions. These antennas feature UV stable fiber glass radomes. The 45deg sector has a UV Stable ASA plastic radome. The radome construction gives long service life under the most demanding conditions. The antennas are constructed using corrosion resistant metal elements and a unique air dielectric system which are more stable than PCB based antenna systems because they don't absorb moisture, which can degrade the performance of PCB based antenna systems. The sectors come with a stainless steel scissor bracket mounting system for ease of installation and alignment.

### Features and Benefits

- Vertically Polarized Wide Band Performance
- Type N Female Integrated Connector
- Extremely Rugged for long service life in extreme environments
- Weatherproof

### General Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	2300		2700	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			50	W
Pole Diameter (OD)	1" (25)		2" (50)	Inch (mm)
Operating Temperature	-40		+70	Deg C

### Electrical Specifications

Specification	Description
Gain	16dBi
Horizontal Beam Width	120 deg
Vertical Beam Width	9 deg
Front to Back	21 dB
Mechanical Downtilt	30 deg
Weight	6.6lb (3kg)
Dimensions (LxWxH)	33.5 x 6.5 x 2.5" (851x165x64mm)

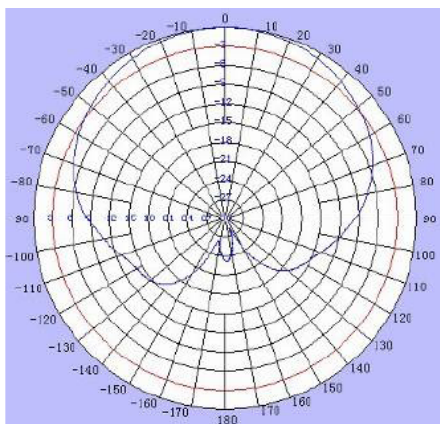
## Mechanical Specifications

### Wind Loading

Sq. In	100MPH	125MPH	100 MPH 1/2" radial ice
247	61.8 lb	96.5 lb	62 lb

## Patterns

### A2416NJ-Horizontal Plane @ 2400 MHz



## Additional Products

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

Visit our web site at <http://www.prosoft-technology.com> for a complete list of products.

## Ordering Information

To order this product, please use the following:

A2416NJ-DS      2.4 GHz Sectorized Antenna

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to <http://www.prosoft-technology.com>

### Distributors:

Place your order by email or fax to:

### North American / Latin American / Asia Pacific

[orders@prosoft-technology.com](mailto:orders@prosoft-technology.com),  
fax to +1 661.716.5101

### Europe

[europe@prosoft-technology.com](mailto:europe@prosoft-technology.com),  
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