

# DATASHEET

## 2.4 GHz Panel/Patch Antennas A2413NJ-DP/A2419NJ-DP

The RadioLinx Directional Panel/Patch Antennas are designed to cover the 2.45 GHz ISM band, obtaining maximum gain with an attractive, low profile package. All models provide efficient and stable performance across the band and can be mounted indoors or outdoors.



### Features

### Benefits

Flexibility	<ul style="list-style-type: none"> <li>◆ Pole Mount or Surface Mount</li> <li>◆ Type N Female Connector</li> <li>◆ Vertical or Horizontal Polarization</li> </ul>
Durable and reliable	<ul style="list-style-type: none"> <li>◆ Rugged and Weatherproof</li> </ul>
Functionality	<ul style="list-style-type: none"> <li>◆ High gain / Low profile / Wide band</li> </ul>
Backed by ProSoft Technology <sup>®</sup>	<ul style="list-style-type: none"> <li>◆ Low risk investment with great cost savings, backed up by a better than average equipment failure protection plan, from the industrial communications experts who know protocols, devices, and automation</li> <li>◆ Three year standard warranty</li> </ul>

### General Specifications

<b>Cross Polarization</b>	25 dB
<b>Lightning Protection</b>	Direct Ground
<b>Mounting Method</b>	Mounting brackets included
<b>Termination</b>	Type N jack

## Electrical Specifications

Product #	Frequency Range	Gain
A2413NJ-DP	2.4 to 2.5 GHz	13 dBi
A2419NJ-DP	2.4 to 2.5 GHz	19 dBi

Product #	Front-to-Back Ratio	Max Power
A2413NJ-DP	> 30 dB	100 W
A2419NJ-DP	> 30 dB	100 W

Product #	Horizontal Beamwidth	Vertical Beamwidth	VSWR
A2413NJ-DP	38°	38°	< 1.5:1
A2419NJ-DP	18°	18°	< 1.5:1

## Mechanical Specifications

Product #	Wind/ice loading area	Lateral Thrust @ 100 mph
A2413NJ-DP	72 in <sup>2</sup> (466 cm <sup>2</sup> )	10 lbs (22 kg)
A2419NJ-DP	240 in <sup>2</sup> (1552 cm <sup>2</sup> )	15 lbs (33 kg)

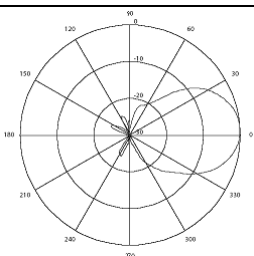
Product #	Torsional moment @ 100 mph with standard mounting
A2413NJ-DP	0.2 ft/lbs (0.22 m/kg)
A2419NJ-DP	0.4 ft/lbs (0.88 m/kg)

Product #	Dimensions
A2413NJ-DP	8.5 in. W x 8.5 in. H x 1.125 in. D (21.6 x 21.6 x 2.8 cm)
A2419NJ-DP	15.5 in. W x 15.5 in. H x 1.125 in. D (39.4 x 39.4 x 2.8 cm)

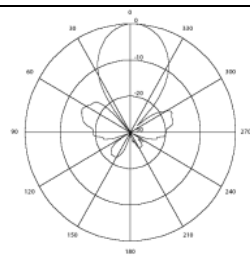
Product #	Weight
A2413NJ-DP	2.0 lbs (0.90 kg)
A2419NJ-DP	6.0 lbs (2.72 kg)

## Patterns

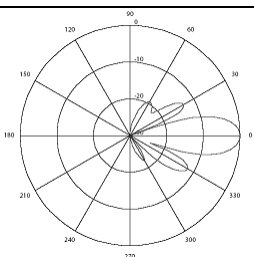
**A2413NJ-DP horizontal**



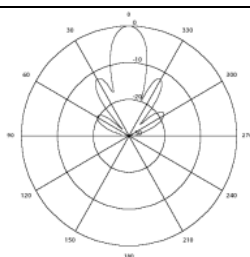
**A2413NJ-DP vertical**



**A2419NJ-DP horizontal**



**A2419NJ-DP vertical**



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

## Ordering Information

To order this product, please use the following:

## 2.4 GHz Panel/Patch Antennas

A2413NJ-DP / A2419NJ-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 Distributors from the menu.

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

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Specifications subject to change without notice.