



A908NJ-DY / A911NJ-DY

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.

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)

+1.281.298.9109, latinam@prosoft-technology.com
Languages spoken include: Spanish, English

Brasil

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

900 MHz Yagi Antennas

A908NJ-DY / A911NJ-DY

The RadiolinX Directional Yagi Antenna can be used as bridge antennas between two networks or for point-to-point communications. The antennas are field adjustable for vertical or horizontal polarization with matched principal plane beamwidth for optimum performance in either orientation. This design also provides improved front-to-back ratio and sidelobe suppression that reduces interference. All models feature a robust mounting structure for consistent performance regardless of weather conditions.

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Typically, Yagi antennas compose an array of linear elements, parallel to on another and attached perpendicular to and along the length of a metal boom. Elements on one side of the feed element are longer and act as reflectors. Elements on the other side of the feed element are shorter and act as directors. The antenna radiates in a beam out the end with the shorter elements. Beamwidth varies (longer length produces a narrower beam).

Features and Benefits

- Broadband performance covering all 900 MHz frequencies and no tuning required. Provides optimal performance, minimizes inventory requirements, and reduces installation time.
- 360° welds at element and boom interface provide complete protection of the antenna's internal mechanism against moisture.
- Solid aluminum mounting clamps with stainless steel hardware. Ensures a robust installation and allows the antenna to be mounted for horizontal or vertical polarization.
- End-fed type N female connector. Makes connector accessible for easier installations and protects the electrical connection from moisture and other extreme weather influences.
- Fully enclosed low loss feed system. No exposed gamma match to corrode or deteriorate.
- Black polyester powder-coated finish. Provides an added layer of protection, maximizing performance and durability under the toughest weather conditions.

General Specifications

Polarization	Vertical or horizontal
Lightning Protection	DC grounded
Nominal Impedance	50 Ohms
Mounting Method	Mast mounting bracket
Termination	Type N jack

Electrical Specifications

Model #	Frequency Range	Gain	Front-to-Back Ratio
A908NJ-DY	890 - 960 MHz	8 dBi	20 dB
A911NJ-DY	890 - 960 MHz	11 dBi	15 dB

Model #	Horizontal Beamwidth @ 1/2 Power	Vertical Beamwidth @ 1/2 Power	VSWR
A908NJ-DY	100°	54°	< 1.5:1
A911NJ-DY	52°	45°	< 1.5:1

Mechanical Specifications

Model #	Wind Survival	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area
A908NJ-DY	200 mph with no ice and 110 mph with 0.5" radial ice build-up	7.9 lbs	0.10 ft ²
A911NJ-DY	200 mph with no ice and 110 mph with 0.5" radial ice build-up	12.6 lbs	0.16 ft ²

Model #	Length	Weight	Elements
A908NJ-DY	14 inches	0.7 lbs	3
A911NJ-DY	20.5 inches	0.9 lbs	5

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:

A908NJ-DY 8 dBi Directional N Jack Yagi Antenna

A911NJ-DY 11dBi Directional N Jack Yagi 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>

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