

2.4 GHz Base Station Antenna A2404NJ-OC / A2406NJ-OC / A2408NJ-OC

The RadioLinx wireless broadband Omnidirectional Base Station Antennas are designed to provide maximum performance and reliability under the toughest weather conditions. These antennas feature a U.V. stable, vented radome that provides the ultimate protection against weather elements. The antennas can be mast, wall, or ceiling mounted.

These antennas are typically composed of several linear antennas stacked on top of each other. The number of stacked elements increases the gain of this antenna which is typically between 5 to 8 dBi depending on the number of elements. This array of antennas provides an omni-directional pattern. Polarity is linear, parallel to the length of the antenna.



- UV stable, pultruded fiberglass radome. Allows outdoor installation even in harsh climates.
- Vented system design provides reliable performance by protecting the electrical design against extreme moisture and/or temperatures.
- Thread relief on connector. Improved accessibility for taping reduces installation time and improves overall effectiveness.
- Internal O-ring seal in the base of the antenna with integrated connector at the base. Ensures a watertight seal to prevent water from migrating into the antenna connector.
- Electrical downtilt options on select models provide system planners flexibility in challenging operating environments.

General Specifications

Radome Material	UV resistant pultruded fiberglass
Polarization	Vertical
Nominal Impedance	50 Ohms
Mounting Base Diameter	1.25 inches
Mounting Method	RLX-MMK-1924: L-bracket mount for wall or pipe mount RLX-MMK8: Aluminum extruded bracket for mast mounting
Termination	Type N jack standard with all models

Electrical Specifications

Model #	Frequency	Gain	Bandwidth @ 1.5:1 WVSR
A2404NJ-OC	2400-2483.5 MHz	4 dBi	100 MHz
A2406NJ-OC	2400-2483.5 MHz	6 dBi	100 MHz
A2408NJ-OC	2400-2483.5 MHz	8 dBi	100 MHz

Model #	Vertical Beamwidth @ ½ Power	VSWR	Max Power	Downtilt
A2404NJ-OC	30°	< 1.5:1	25 Watts	N/A
A2406NJ-OC	20°	< 1.5:1	25 Watts	N/A
A2408NJ-OC	13°	< 1.5:1	25 Watts	N/A

Mechanical Specifications

Model #	Wind Survival	Equivalent Flat Plate Area	Lateral Thrust @ Rated Wind
A2404NJ-OC	125 mph	.02 ft2	2.1 lbs
A2406NJ-OC	125 mph	.04 ft2	3.0 lbs
A2408NJ-OC	125 mph	.06 ft2	5.2 lbs

Model #	Bending Movement @ Rated Wind	Height	Weight
A2404NJ-OC	0.7 ft-lbs	8.1" (205.74 mm)	0.34 lbs (0.172 kg)
A2406NJ-OC	1.4 ft-lbs	11.6" (294.6 mm)	0.38 lbs (0.172 kg)
A2408NJ-OC	4.4 ft-lbs	20.2" (513.1 mm)	0.50 lbs (0.226 kg)



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Ordering Information

To order this product, please use the following:

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A2404NJ-OC / A2406NJ-OC / A2408NJ-OC

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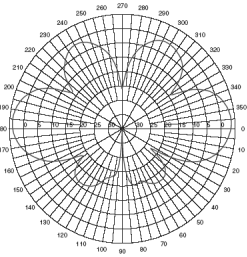
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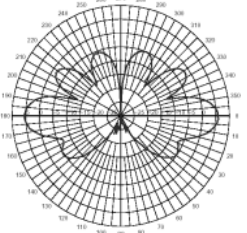
Specifications subject to change without notice.

Patterns

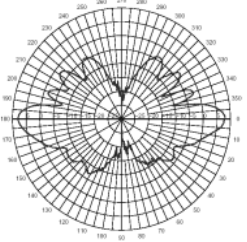
A2404NJ-OC Elevation



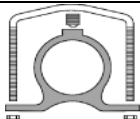
A2406NJ-OC Elevation



A2408NJ-OC Elevation



Mounting Hardware

Part #	Description	Included with	Works with	Illustration
RLX-MMK8	Mounting bracket for mounting a 1 ¼ inch diameter antenna to a 2 inch diameter mast	A2404NJ-OC A2406NJ-OC A2408NJ-OC	A2404NJ-OC A2406NJ-OC A2408NJ-OC	
RLX-MMK1924	L bracket for mounting omnidirectional antennas to a 2 inch maximum diameter mast. Bracket is 6 inches long with a 5/8 diameter hole	N/A	A2404NJ-OC A2406NJ-OC A2408NJ-OC	



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