

# LNx-6515DS-A1M



2-port sector antenna, 2x 698–896 MHz, 65° HPBW, 1x RET

- Excellent choice to maximize both coverage and capacity in suburban and rural applications
- Fully compatible with Andrew remote electrical tilt system for greater OpEx savings
- Exceptional horizontal pattern roll-off and strong front-to-back ratio
- Extended bandwidth allows one antenna to serve multiple frequency allocations
- Great solution to maximize network coverage and capacity
- The RF connectors are designed for IP67 rating and the radome for IP56 rating

## OBSOLETE

This product was discontinued on: November 30, 2023

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage   Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	0
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	2

## Dimensions

<b>Width</b>	301 mm   11.85 in
<b>Depth</b>	180.5 mm   7.106 in
<b>Length</b>	2650 mm   104.331 in
<b>Net Weight, without mounting kit</b>	20.2 kg   44.533 lb

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## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	698 – 896 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>698–806</b>	<b>806–896</b>
<b>Gain, dBi</b>	16.7	17.6
<b>Beamwidth, Horizontal, degrees</b>	65	63.8
<b>Beamwidth, Vertical, degrees</b>	9.7	8.6
<b>Beam Tilt, degrees</b>	0–8	0–8
<b>USLS (First Lobe), dB</b>	17	17
<b>Front-to-Back Ratio at 180°, dB</b>	32	27
<b>Isolation, Cross Polarization, dB</b>	30	30
<b>VSWR   Return loss, dB</b>	1.4   15.6	1.4   15.6
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153
<b>Input Power per Port, maximum, watts</b>	400	400

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	396.0 N @ 150 km/h (89.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	333.0 N @ 150 km/h (74.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	762.0 N @ 150 km/h (171.3 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	401.0 N @ 150 km/h (90.1 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	411 mm   16.181 in
<b>Depth, packed</b>	284 mm   11.181 in
<b>Length, packed</b>	2765 mm   108.858 in
<b>Weight, gross</b>	40.5 kg   89.287 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value

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ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

BSAMNT-M	- Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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