

# LNX-6515DS-VM



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

- 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: March 31, 2021

Replaced By:

LNX-6515DS-A1M      2-port sector antenna, 2x 698–896 MHz, 65° HPBW, 1x RET

## 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

## Remote Electrical Tilt (RET) Information

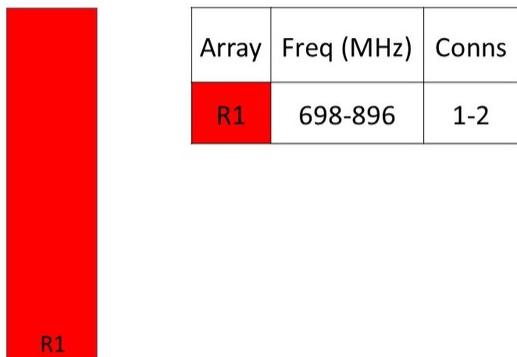
**Model with Factory Installed AISG 2.0 Actuator**      LNX-6515DS-A1M

# LNX-6515DS-VM

## Dimensions

<b>Width</b>	301 mm   11.85 in
<b>Depth</b>	180.5 mm   7.106 in
<b>Length</b>	2453 mm   96.575 in
<b>Net Weight, without mounting kit</b>	19.8 kg   43.651 lb

## Array Layout



Bottom

(Sizes of colored boxes are not  
true depictions of array sizes)

## Electrical Specifications

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

## Electrical Specifications

Frequency Band, MHz	698–806	806–896
<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>CPR at Boresight, dB</b>	24	27

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<b>CPR at Sector, dB</b>	15	13
<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>	392 mm   15.433 in
<b>Depth, packed</b>	295 mm   11.614 in
<b>Length, packed</b>	2718 mm   107.008 in
<b>Weight, gross</b>	36.9 kg   81.35 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

- BSAMNT-3
  - Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.
- 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.

# LNX-6515DS-VM

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## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance

# BSAMNT-3

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Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## Product Classification

<b>Product Type</b>	Downtilt mounting kit
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## General Specifications

<b>Application</b>	Outdoor
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<b>Color</b>	Silver
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## Dimensions

<b>Compatible Diameter, maximum</b>	115 mm   4.528 in
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<b>Compatible Diameter, minimum</b>	60 mm   2.362 in
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<b>Weight, net</b>	6.2 kg   13.669 lb
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## Material Specifications

<b>Material Type</b>	Galvanized steel
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## Packaging and Weights

<b>Included</b>	Brackets   Hardware
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<b>Packaging quantity</b>	1
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<b>Weight, gross</b>	6.4 kg   14.11 lb
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
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ROHS	Compliant
UK-ROHS	Compliant

# BSAMNT-3

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# BSAMNT-M

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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.

## Product Classification

<b>Product Type</b>	Downtilt mounting kit
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## General Specifications

<b>Application</b>	Outdoor
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<b>Color</b>	Silver
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## Dimensions

<b>Compatible Diameter, maximum</b>	115 mm   4.528 in
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<b>Compatible Diameter, minimum</b>	60 mm   2.362 in
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<b>Weight, net</b>	4.5 kg   9.921 lb
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## Material Specifications

<b>Material Type</b>	Galvanized steel
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## Packaging and Weights

<b>Included</b>	Brackets   Hardware
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<b>Packaging quantity</b>	1
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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