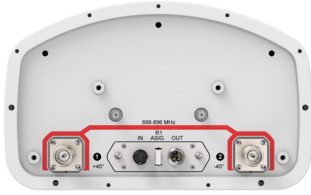


# LNX-6514DS-R1



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

- Great solution to maximize network coverage and capacity
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Ideal choice for site collocations and tough zoning restrictions
- Excellent solution for site sharing and maximizing capacity

## OBSOLETE

This product was discontinued on: March 30, 2024

## 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
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 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

<b>RET Hardware</b>	CommRET v2
<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	1 female   1 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	Low band (1)
<b>Power Consumption, active state, maximum</b>	10 W

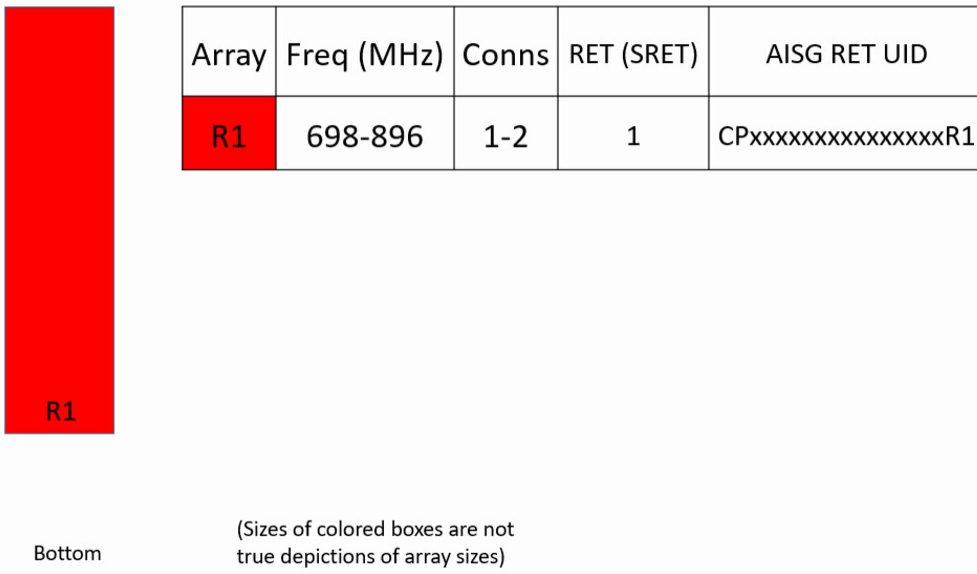
# LNx-6514DS-R1

<b>Power Consumption, idle state, maximum</b>	2 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Width</b>	301 mm   11.85 in
<b>Depth</b>	181 mm   7.126 in
<b>Length</b>	1851 mm   72.874 in
<b>Net Weight, without mounting kit</b>	15.3 kg   33.731 lb

## Array Layout



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	CPxxxxxxxxxxxxxxxxR1

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

## Port Configuration

# LNx-6514DS-R1



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	698 – 896 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	700 W

## Electrical Specifications

	<b>698–806</b>	<b>806–896</b>
<b>Frequency Band, MHz</b>		
<b>Gain, dBi</b>	15.8	15.9
<b>Beamwidth, Horizontal, degrees</b>	65	64
<b>Beamwidth, Vertical, degrees</b>	12.4	11.2
<b>Beam Tilt, degrees</b>	0–10	0–10
<b>USLS (First Lobe), dB</b>	18	19
<b>Front-to-Back Ratio at 180°, dB</b>	33	33
<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

# LNx-6514DS-R1

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## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	283.0 N @ 150 km/h (63.6 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	234.0 N @ 150 km/h (52.6 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	545.0 N @ 150 km/h (122.5 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	287.0 N @ 150 km/h (64.5 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	240 km/h (149 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>	2048 mm   80.63 in
<b>Weight, gross</b>	30.3 kg   66.8 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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.commscope.com/ProductCompliance">www.commscope.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.
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## \* Footnotes

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

## Product Classification

**Product Type** Downtilt mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 115 mm | 4.528 in

**Compatible Diameter, minimum** 60 mm | 2.362 in

**Weight, net** 6.2 kg | 13.669 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 6.4 kg | 14.11 lb

## Regulatory Compliance/Certifications

Agency	Classification
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.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

# BSAMNT-3

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