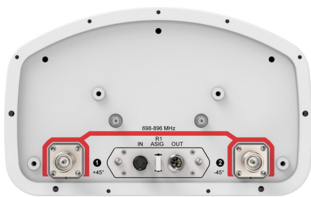


# LNx-6514DS-R1



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

|                                  |  |
|----------------------------------|--|
| Antenna Type                     | Sector   |
| Band                             | Single band  |
| Color                            | Light Gray (RAL 7035)  |
| Grounding Type                   | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note                 | Outdoor usage  |
| Radome Material                  | Fiberglass, UV resistant   |
| Reflector Material               | Aluminum   |
| RF Connector Interface           | 4.3-10 Female  |
| RF Connector Location            | Bottom   |
| RF Connector Quantity, high band | 0  |
| RF Connector Quantity, mid band  | 0  |
| RF Connector Quantity, low band  | 2  |
| RF Connector Quantity, total     | 2  |

## Remote Electrical Tilt (RET) Information

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

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|  |                            |
|--|----------------------------|
| Power Consumption, idle state, maximum | 2 W                        |
| Protocol                               | 3GPP/AISG 2.0 (Single RET) |

## Dimensions

|                                  |                     |
|----------------------------------|---------------------|
| Width                            | 301 mm   11.85 in   |
| Depth                            | 181 mm   7.126 in   |
| Length                           | 1851 mm   72.874 in |
| Net Weight, without mounting kit | 15.3 kg   33.731 lb |

## Array Layout

R1

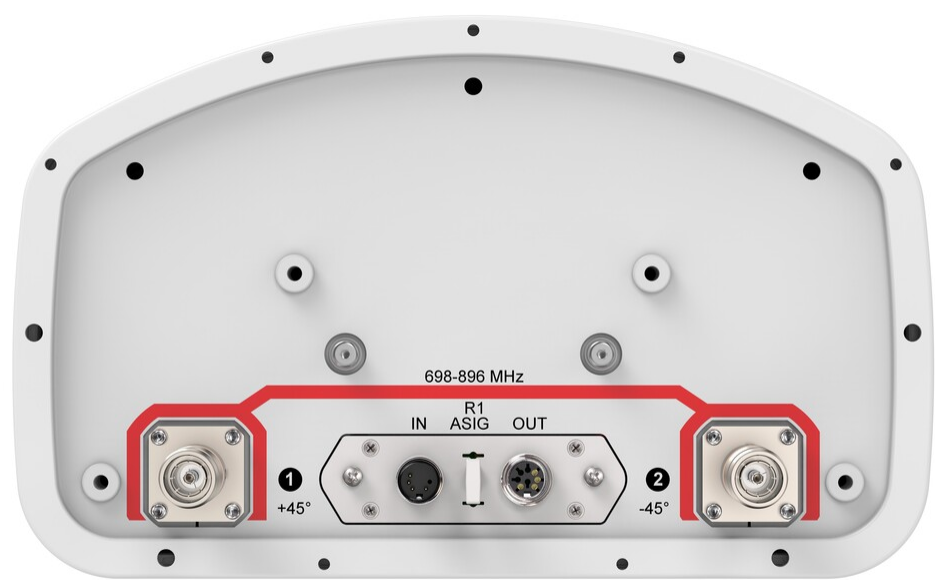
| Array | Freq (MHz) | Conns | RET (SRET) | AISG RET UID         |
|-------|------------|-------|------------|----------------------|
| R1    | 698-896    | 1-2   | 1          | CPxxxxxxxxxxxxxxxxR1 |

Bottom

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

## Port Configuration

# LNx-6514DS-R1



## Electrical Specifications

|                            |               |
|----------------------------|---------------|
| Impedance                  | 50 ohm        |
| Operating Frequency Band   | 698 – 896 MHz |
| Polarization               | ±45°          |
| Total Input Power, maximum | 700 W         |

## Electrical Specifications

| Frequency Band, MHz               | 698–806    | 806–896    |
|-----------------------------------|------------|------------|
| Gain, dBi                         | 15.8       | 15.9       |
| Beamwidth, Horizontal, degrees    | 65         | 64         |
| Beamwidth, Vertical, degrees      | 12.4       | 11.2       |
| Beam Tilt, degrees                | 0–10       | 0–10       |
| USLS (First Lobe), dB             | 18         | 19         |
| Front-to-Back Ratio at 180°, dB   | 33         | 33         |
| CPR at Boresight, dB              | 25         | 25         |
| Isolation, Cross Polarization, dB | 30         | 30         |
| VSWR   Return loss, dB            | 1.4   15.6 | 1.4   15.6 |
| PIM, 3rd Order, 2 x 20 W, dBc     | -153       | -153       |
| Input Power per Port, maximum,    | 400        | 400        |

# LNx-6514DS-R1

watts

## Mechanical Specifications

|                                  |   |
|----------------------------------|---|
| Wind Loading @ Velocity, frontal | 283.0 N @ 150 km/h (63.6 lbf @ 150 km/h)  |
| Wind Loading @ Velocity, lateral | 234.0 N @ 150 km/h (52.6 lbf @ 150 km/h)  |
| Wind Loading @ Velocity, maximum | 545.0 N @ 150 km/h (122.5 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear    | 287.0 N @ 150 km/h (64.5 lbf @ 150 km/h)  |
| Wind Speed, maximum              | 240 km/h (149 mph)                        |

## Packaging and Weights

|                |                    |
|----------------|--------------------|
| Width, packed  | 392 mm   15.433 in |
| Depth, packed  | 295 mm   11.614 in |
| Length, packed | 2048 mm   80.63 in |
| Weight, gross  | 30.3 kg   66.8 lb  |

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| 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. |
|----------|--|

## \* Footnotes

|                  |   |
|------------------|---|
| Performance Note | Severe environmental conditions may degrade optimum performance |
|------------------|---|

# 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.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |

