

# LDCX-6516DS-VTM



4-port sector antenna, 4x 790–960 MHz, 65° HPBW, RET compatible

- Engineered to provide wideband capability to support “Digital Dividend” band applications, future ready
- Same physical size as existing 800/900 MHz antennas for easy site zoning
- Proven core design technology, with over 1,000,000 similar antennas deployed

## OBSOLETE

This product was discontinued on: **March 31, 2023**

### Replaced By:

4P-4L-C2

4-port sector antenna, 4x 694–960 MHz, 65° HPBW, 2x RET

## General Specifications

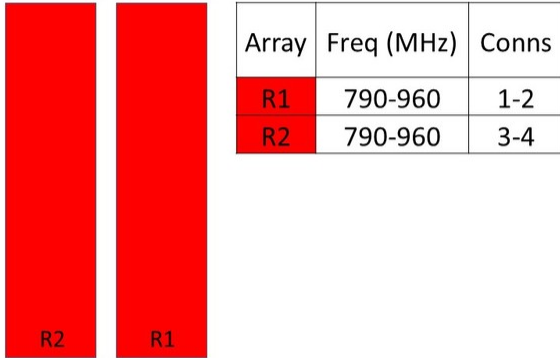
<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, low band</b>	4
<b>RF Connector Quantity, total</b>	4

## Dimensions

<b>Width</b>	549 mm   21.614 in
<b>Depth</b>	165 mm   6.496 in
<b>Length</b>	2567 mm   101.063 in
<b>Net Weight, without mounting kit</b>	32.1 kg   70.768 lb

## Array Layout

# LDXX-6516DS-VTM



Bottom

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

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	790 – 960 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

Frequency Band, MHz	790–862	824–894	870–960
<b>Gain, dBi</b>	17.5	17.9	17.5
<b>Beamwidth, Horizontal, degrees</b>	70	67	63.5
<b>Beamwidth, Vertical, degrees</b>	7.9	7.5	7.1
<b>Beam Tilt, degrees</b>	0–8	0–8	0–8
<b>USLS (First Lobe), dB</b>	17	17	17
<b>Front-to-Back Ratio at 180°, dB</b>	30	30	30
<b>CPR at Boresight, dB</b>	24	24	25
<b>CPR at Sector, dB</b>	16	16	12
<b>Isolation, Cross Polarization, dB</b>	30	30	30
<b>Isolation, Cross Polarization, port to port, dB</b>	30	30	30
<b>VSWR   Return loss, dB</b>	1.4 15.6	1.4 15.6	1.4 15.6
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150
<b>Input Power per Port, maximum, watts</b>	350	350	350

## Electrical Specifications, BASTA

# LDXX-6516DS-VTM

Frequency Band, MHz	790–862	824–894	870–960
Gain by all Beam Tilts, average, dBi	16.8	17.1	17.3
Gain by all Beam Tilts Tolerance, dB	±0.5	±0.2	±0.4
Gain by Beam Tilt, average, dBi	0°   16.7 4°   16.8 8°   16.7	0°   17.0 4°   17.2 8°   17.1	0°   17.2 4°   17.3 8°   17.3
Beamwidth, Horizontal Tolerance, degrees	±3.5	±3.1	±4.0
Beamwidth, Vertical Tolerance, degrees	±0.4	±0.4	±0.3
USLS, beampeak to 20° above beampeak, dB	17	17	17
Front-to-Back Total Power at 180° ± 30°, dB	26	26	24
CPR at Boresight, dB	24	24	25
CPR at Sector, dB	16	16	12

## Mechanical Specifications

Wind Loading @ Velocity, frontal	1,436.0 N @ 150 km/h (322.8 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	298.0 N @ 150 km/h (67.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	2,210.0 N @ 150 km/h (496.8 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

## Packaging and Weights

Width, packed	659 mm   25.945 in
Depth, packed	275 mm   10.827 in
Length, packed	2883 mm   113.504 in
Weight, gross	53.1 kg   117.065 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



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

# BSAMNT-3

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