

# LDXX-6516DS-VTM-C3

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
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

**OBSOLETE**

This product was discontinued on: **March 31, 2021**

## 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>	4.3-10 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>	35.5 kg   78.264 lb

## Electrical Specifications

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

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>790–862</b>	<b>824–894</b>	<b>870–960</b>
<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

## Mechanical Specifications

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

## Packaging and Weights

<b>Width, packed</b>	659 mm   25.945 in
<b>Depth, packed</b>	275 mm   10.827 in
<b>Length, packed</b>	2883 mm   113.504 in
<b>Weight, gross</b>	53.5 kg   117.947 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives

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ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)



## 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