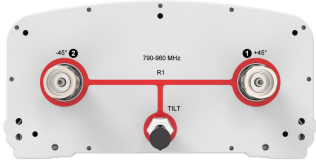


# LDX-6515DS-VTM



2-port sector antenna, 2x 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

This product will be 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>	PVC, 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>	2
<b>RF Connector Quantity, total</b>	2

## Dimensions

<b>Width</b>	269 mm   10.591 in
<b>Depth</b>	132 mm   5.197 in
<b>Length</b>	2073 mm   81.614 in
<b>Net Weight, without mounting kit</b>	15 kg   33.069 lb

## Array Layout

# LDX-6515DS-VTM

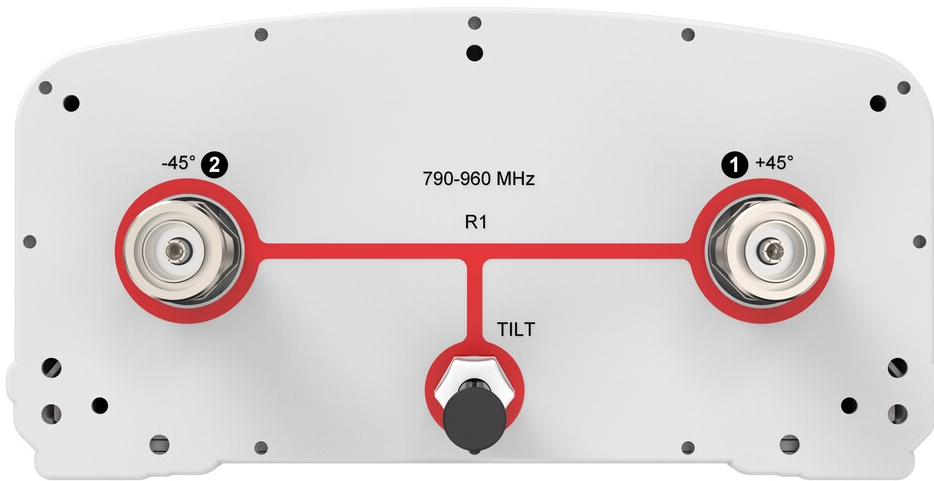


Array	Freq (MHz)	Conns
R1	790-960	1-2

Bottom

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

## Port Configuration



## Electrical Specifications

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

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>790–896</b>	<b>870–960</b>
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# LDX-6515DS-VTM

<b>Gain, dBi</b>	16.4	16.5
<b>Beamwidth, Horizontal, degrees</b>	63.5	63.6
<b>Beamwidth, Vertical, degrees</b>	10.2	9.7
<b>Beam Tilt, degrees</b>	0–10	0–10
<b>USLS (First Lobe), dB</b>	17	18
<b>Front-to-Back Ratio at 180°, dB</b>	34	31
<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>	-150	-150
<b>Input Power per Port, maximum, watts</b>	350	350

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>790–896</b>	<b>870–960</b>
<b>Gain by all Beam Tilts, average, dBi</b>	16.2	16.4
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.2	±0.3
<b>Gain by Beam Tilt, average, dBi</b>	0°   16.1 5°   16.3 10°   16.2	0°   16.3 5°   16.4 10°   16.2
<b>Beamwidth, Horizontal Tolerance, degrees</b>	±1.4	±1
<b>Beamwidth, Vertical Tolerance, degrees</b>	±0.7	±0.4
<b>USLS, beampeak to 20° above beampeak, dB</b>	19	19
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	25	24
<b>CPR at Boresight, dB</b>	28	25
<b>CPR at Sector, dB</b>	16	14

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	718.0 N @ 150 km/h (161.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	155.0 N @ 150 km/h (34.8 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	781.0 N @ 150 km/h (175.6 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	376 mm   14.803 in
<b>Depth, packed</b>	267 mm   10.512 in
<b>Length, packed</b>	2386 mm   93.937 in

# LDX-6515DS-VTM

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**Weight, gross**

27.7 kg | 61.068 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



## Included Products

- 600899A-2 - 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

# 600899A-2



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** 114.3 mm | 4.5 in

**Compatible Diameter, minimum** 61 mm | 2.402 in

**Weight, net** 3.9 kg | 8.598 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 4.2 kg | 9.259 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

600899A-2

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