

# LDX-6516DS-VTM | LDX-6516DS-A1M



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

## 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>	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, 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>Model with Factory Installed AISG 2.0 Actuator</b>	LDX-6516DS-A1M
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## Dimensions

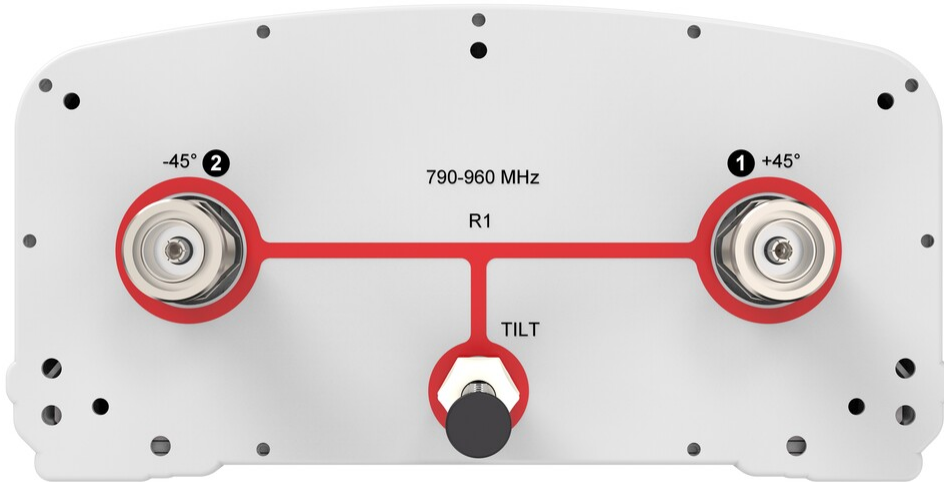
<b>Width</b>	269 mm   10.591 in
<b>Depth</b>	132 mm   5.197 in
<b>Length</b>	2577 mm   101.457 in

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Net Weight, without mounting kit

21 kg | 46.297 lb

## Port Configuration



## Electrical Specifications

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

## Electrical Specifications

Frequency Band, MHz	790–896	870–960
<b>Gain, dBi</b>	17.5	17.7
<b>Beamwidth, Horizontal, degrees</b>	64	64
<b>Beamwidth, Vertical, degrees</b>	7.6	7.1
<b>Beam Tilt, degrees</b>	0–8	0–8
<b>USLS (First Lobe), dB</b>	17	17
<b>Front-to-Back Ratio at 180°, dB</b>	30	30
<b>CPR at Boresight, dB</b>	24	22
<b>CPR at Sector, dB</b>	17	16
<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

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**Input Power per Port, maximum, watts**                      350                      350

## Mechanical Specifications

**Wind Loading @ Velocity, frontal**    922.0 N @ 150 km/h (207.3 lbf @ 150 km/h)  
**Wind Loading @ Velocity, lateral**    202.0 N @ 150 km/h (45.4 lbf @ 150 km/h)  
**Wind Loading @ Velocity, rear**    1,003.0 N @ 150 km/h (225.5 lbf @ 150 km/h)  
**Wind Speed, maximum**    201 km/h (125 mph)

## Packaging and Weights

**Width, packed**    376 mm | 14.803 in  
**Depth, packed**    267 mm | 10.512 in  
**Length, packed**    2717 mm | 106.969 in  
**Weight, gross**    31 kg | 68.343 lb

## Regulatory Compliance/Certifications

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



## 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