

# 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

**Model with Factory Installed AISG 2.0 Actuator** LDX-6516DS-A1M

## 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

# LDX-6516DS-VM | LDX-6516DS-A1M

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

<b>Wind Loading @ Velocity, frontal</b>	922.0 N @ 150 km/h (207.3 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	202.0 N @ 150 km/h (45.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	1,003.0 N @ 150 km/h (225.5 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	201 km/h (125 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>	2717 mm   106.969 in
<b>Weight, gross</b>	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



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

<b>Product Type</b>	Downtilt mounting kit
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## General Specifications

<b>Application</b>	Outdoor
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<b>Color</b>	Silver
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## Dimensions

<b>Compatible Diameter, maximum</b>	114.3 mm   4.5 in
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<b>Compatible Diameter, minimum</b>	61 mm   2.402 in
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<b>Weight, net</b>	3.9 kg   8.598 lb
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## Material Specifications

<b>Material Type</b>	Galvanized steel
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## Packaging and Weights

<b>Included</b>	Brackets   Hardware
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<b>Packaging quantity</b>	1
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<b>Weight, gross</b>	4.2 kg   9.259 lb
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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

600899A-2

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