

# LDX-3319DS-VTM | LDX-3319DS-A1M



2-port sector antenna, 2x 790–960 MHz, 33° HPBW, RET compatible

- Narrow horizontal beamwidth ideal for corridor coverage or six sector solutions
- Azimuth sidelobe suppression greater than 18 dB

## 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>	2
<b>RF Connector Quantity, total</b>	2

## Remote Electrical Tilt (RET) Information

<b>Model with Factory Installed AISG 2.0 Actuator</b>	LDX-3319DS-A1M
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## Dimensions

<b>Width</b>	591 mm   23.268 in
<b>Depth</b>	182 mm   7.165 in
<b>Length</b>	2581 mm   101.614 in
<b>Net Weight, without mounting kit</b>	29 kg   63.934 lb

## Array Layout

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

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	790–806	806–896	870–960
<b>Gain, dBi</b>	19.4	19.8	20.5
<b>Beamwidth, Horizontal, degrees</b>	35	35	34
<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>	14	15	14
<b>Front-to-Back Ratio at 180°, dB</b>	31	33	35
<b>Isolation, Cross Polarization, dB</b>	27	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>	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	300	300	300

## Electrical Specifications, BASTA

Frequency Band, MHz	790–806	806–896	870–960
<b>Gain by all Beam Tilts, average, dBi</b>	19.4	19.6	19.9
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.2	±0.3	±0.4

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<b>Gain by Beam Tilt, average, dBi</b>	0°   19.2 4°   19.4 8°   19.3	0°   19.5 4°   19.6 8°   19.6	0°   19.8 4°   20.0 8°   19.9
<b>Beamwidth, Horizontal Tolerance, degrees</b>	±1.7	±1.1	±1.1
<b>Beamwidth, Vertical Tolerance, degrees</b>	±0.2	±0.4	±0.3
<b>USLS, beampeak to 20° above beampeak, dB</b>	14	14	15
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	27	30	31
<b>CPR at Boresight, dB</b>	20	17	15

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	1,149.0 N @ 150 km/h (258.3 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	230.0 N @ 150 km/h (51.7 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	2,129.0 N @ 150 km/h (478.6 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	782 mm   30.787 in
<b>Depth, packed</b>	346 mm   13.622 in
<b>Length, packed</b>	3020 mm   118.898 in
<b>Weight, gross</b>	50.5 kg   111.333 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

- 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.
- BSAMNT-M – Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.

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\* Footnotes

**Performance Note**      Severe environmental conditions may degrade optimum performance