

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

Antenna Type	Sector
Band	Single band
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, low band	2
RF Connector Quantity, total	2

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	LDX-3319DS-A1M
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Dimensions

Width	591 mm 23.268 in
Depth	182 mm 7.165 in
Length	2581 mm 101.614 in
Net Weight, without mounting kit	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

Impedance	50 ohm
Operating Frequency Band	790 – 960 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	790–806	806–896	870–960
Gain, dBi	19.4	19.8	20.5
Beamwidth, Horizontal, degrees	35	35	34
Beamwidth, Vertical, degrees	7.9	7.5	7.1
Beam Tilt, degrees	0–8	0–8	0–8
USLS (First Lobe), dB	14	15	14
Front-to-Back Ratio at 180°, dB	31	33	35
Isolation, Cross Polarization, dB	27	30	30
VSWR Return loss, dB	1.4 15.6	1.4 15.6	1.4 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	300	300	300

Electrical Specifications, BASTA

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

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Gain by Beam Tilt, average, dBi	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
Beamwidth, Horizontal Tolerance, degrees	±1.7	±1.1	±1.1
Beamwidth, Vertical Tolerance, degrees	±0.2	±0.4	±0.3
USLS, beampeak to 20° above beampeak, dB	14	14	15
Front-to-Back Total Power at 180° ± 30°, dB	27	30	31
CPR at Boresight, dB	20	17	15

Mechanical Specifications

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

Packaging and Weights

Width, packed	782 mm 30.787 in
Depth, packed	346 mm 13.622 in
Length, packed	3020 mm 118.898 in
Weight, gross	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 www.commscope.com/ProductCompliance
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