

LDXX-6515DS-VTM | LDXX-6515DS-A2M



4-port sector antenna, 4x 790–960 MHz, 65° HPBW, RET compatible

- Two DualPol® antennas under one radome
- Each DualPol® array can be independently adjusted for greater flexibility
- Engineered to provide wideband capability to support “Digital Dividend” band applications, future ready

OBSOLETE

This product was discontinued on: **March 31, 2023**

Replaced By:

4P-4L-B2

4-port sector antenna, 4x 694–960 MHz, 65° HPBW

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
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, low band	4
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	LDXX-6515DS-A2M
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Dimensions

Width	549 mm 21.614 in
Depth	165 mm 6.496 in

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Length	2070 mm 81.496 in
Net Weight, without mounting kit	35.6 kg 78.484 lb

Electrical Specifications

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

Electrical Specifications

Frequency Band, MHz	790–862	824–894	870–960
Gain, dBi	16.3	16.4	17
Beamwidth, Horizontal, degrees	68.1	65.9	63
Beamwidth, Vertical, degrees	10.4	10	9.6
Beam Tilt, degrees	0–10	0–10	0–10
USLS (First Lobe), dB	18	18	17
Front-to-Back Ratio at 180°, dB	32	28	27
Front-to-Back Total Power at 180° ± 30°, dB	26	25	23
CPR at Boresight, dB	24	23	23
CPR at Sector, dB	14	13	10
Isolation, Cross Polarization, dB	30	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	-150	-150	-150
Input Power per Port, maximum, watts	350	350	350

Electrical Specifications, BASTA

Frequency Band, MHz	790–862	824–894	870–960
Gain by all Beam Tilts, average, dBi	15.7	16	16.5
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.5	±0.4
Gain by Beam Tilt, average, dBi	0° 15.7 5° 15.8 10° 15.5	0° 16.0 5° 16.1 10° 15.9	0° 16.4 5° 16.6 10° 16.4
Beamwidth, Horizontal Tolerance, degrees	±3.3	±3.4	±3.7
Beamwidth, Vertical Tolerance, degrees	±0.5	±0.5	
USLS, beampeak to 20° above beampeak, dB	19	19	18
CPR at Boresight, dB	26	25	25
CPR at Sector, dB	16	15	12

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Mechanical Specifications

Wind Loading @ Velocity, frontal	1,407.0 N @ 150 km/h (316.3 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	337.0 N @ 150 km/h (75.8 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	1,558.0 N @ 150 km/h (350.3 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	693 mm 27.283 in
Depth, packed	291 mm 11.457 in
Length, packed	2294 mm 90.315 in
Weight, gross	54.8 kg 120.813 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.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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