

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 $\pm 45^\circ$

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° \pm 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

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

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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

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| 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