LDXX-6516DS-VTM-C3

4-port sector antenna, 4x 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
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

OBSOLETE

This product was discontinued on: March 31, 2021

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	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, low band	4
RF Connector Quantity, total	4

Dimensions

Width	549 mm | 21.614 in
Depth	165 mm | 6.496 in
Length	2567 mm | 101.063 in
Net Weight, without mounting kit	35.5 kg | 78.264 lb

Electrical Specifications

Impedance	50 ohm

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Operating Frequency Band	790 – 960 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	**790–862**	**824–894**	**870–960**
Gain, dBi	17.5	17.9	17.5
Beamwidth, Horizontal, degrees	70	67	63.5
Beamwidth, Vertical, degrees	7.9	7.5	7.1
Beam Tilt, degrees	0–8	0–8	0–8
USLS (First Lobe), dB	17	17	17
Front-to-Back Ratio at 180°, dB	30	30	30
CPR at Boresight, dB	24	24	25
CPR at Sector, dB	16	16	12
Isolation, Cross Polarization, dB	30	30	30
Isolation, Cross Polarization, port to port, 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	16.8	17.1	17.3
Gain by all Beam Tilts Tolerance, dB	±0.5	±0.2	±0.4
Gain by Beam Tilt, average, dBi	0 ° | 16.7 4 ° | 16.8 8 ° | 16.7	0 ° | 17.0 4 ° | 17.2 8 ° | 17.1	0 ° | 17.2 4 ° | 17.3 8 ° | 17.3
Beamwidth, Horizontal Tolerance, degrees	±3.5	±3.1	±4.0
Beamwidth, Vertical Tolerance, degrees	±0.4	±0.4	±0.3
USLS, beampeak to 20° above beampeak, dB	17	17	17
Front-to-Back Total Power at 180° ± 30°, dB	26	26	24
CPR at Boresight, dB	24	24	25
CPR at Sector, dB	16	16	12

Mechanical Specifications

Wind Loading @ Velocity, frontal	1,436.0 N @ 150 km/h (322.8 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	298.0 N @ 150 km/h (67.0 lbf @ 150 km/h)

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Wind Loading @ Velocity, rear	2,210.0 N @ 150 km/h (496.8 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	659 mm | 25.945 in
Depth, packed	275 mm | 10.827 in
Length, packed	2883 mm | 113.504 in
Weight, gross	53.5 kg | 117.947 lb

Regulatory Compliance/Certifications

Agency	Classification
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 www.commscope.com/ProductCompliance

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.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance