

LDX-6516DS-VTM | LDX-6516DS-A1M



2-port sector antenna, 2x 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

OBsolete

This product was discontinued on: March 30, 2024

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	PVC, UV resistant
Radiator Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	0
RF Connector Quantity, mid band	0
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-6516DS-A1M

Dimensions

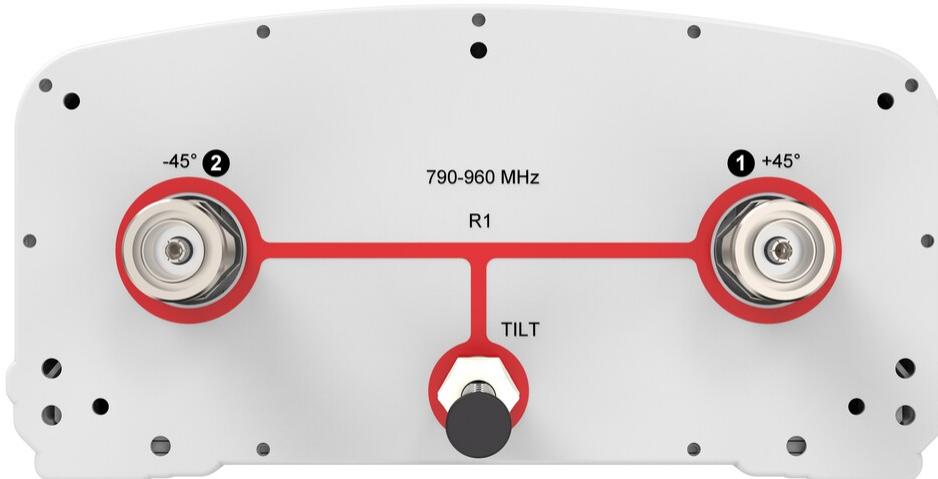
Width	269 mm 10.591 in
Depth	132 mm 5.197 in
Length	2577 mm 101.457 in

LDX-6516DS-VM | LDX-6516DS-A1M

Net Weight, without mounting kit

21 kg | 46.297 lb

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	790 – 960 MHz
Polarization	$\pm 45^\circ$

Electrical Specifications

Frequency Band, MHz	790–896	870–960
Gain, dBi	17.5	17.7
Beamwidth, Horizontal, degrees	64	64
Beamwidth, Vertical, degrees	7.6	7.1
Beam Tilt, degrees	0–8	0–8
USLS (First Lobe), dB	17	17
Front-to-Back Ratio at 180°, dB	30	30
CPR at Boresight, dB	24	22
CPR at Sector, dB	17	16
Isolation, Cross Polarization, dB	30	30
VSWR Return loss, dB	1.4 15.6	1.4 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153

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Input Power per Port, maximum, watts 350 350

Mechanical Specifications

Wind Loading @ Velocity, frontal	922.0 N @ 150 km/h (207.3 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	202.0 N @ 150 km/h (45.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	1,003.0 N @ 150 km/h (225.5 lbf @ 150 km/h)
Wind Speed, maximum	201 km/h (125 mph)

Packaging and Weights

Width, packed	376 mm 14.803 in
Depth, packed	267 mm 10.512 in
Length, packed	2717 mm 106.969 in
Weight, gross	31 kg 68.343 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.andrew.com/ProductCompliance



Included Products

600899A-2 - 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



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.

Product Classification

Product Type	Downtilt mounting kit
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General Specifications

Application	Outdoor
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Color	Silver
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Dimensions

Compatible Diameter, maximum	114.3 mm 4.5 in
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Compatible Diameter, minimum	61 mm 2.402 in
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Weight, net	3.9 kg 8.598 lb
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Material Specifications

Material Type	Galvanized steel
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Packaging and Weights

Included	Brackets Hardware
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Packaging quantity	1
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Weight, gross	4.2 kg 9.259 lb
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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.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

600899A-2

