



LNX-6512DS-TOM

Andrew® Antenna, 698–896 MHz, 65° horizontal beamwidth, fixed electrical tilt

- Great solution to maximize network coverage and capacity
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Patented DualPol® technology
- Ideal choice for site collocations and tough zoning restrictions

OBSOLETE

This product was discontinued on: December 31, 2015

Replaced By

LNX-6512DS-VTM
LNX-6512DS-A1M

Andrew® Antenna, 698–896 MHz, 65° horizontal beamwidth, RET compatible

Electrical Specifications

Frequency Band, MHz	698–806	806–896
Gain, dBi	14.8	15.7
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	18.7	16.4
Beam Tilt, degrees	0	0
USLS, typical, dB	20	19
Front-to-Back Ratio at 180°, dB	30	30
CPR at Boresight, dB	20	20
CPR at Sector, dB	12	12
Isolation, dB	30	30
VSWR Return Loss, dB	1.35 16.5	1.35 16.5
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	500	500
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	698–806	806–896
Beamwidth, Horizontal Tolerance, degrees	±3	±3

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs.](#)

General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol®
Band	Single band
Brand	DualPol®
Operating Frequency Band	698 – 896 MHz
Performance Note	Outdoor usage

Mechanical Specifications

INX-6512DS-TOM

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	2
Wind Loading, maximum	379.8 N @ 150 km/h 85.4 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Depth	181.0 mm 7.1 in
Length	1232.0 mm 48.5 in
Width	301.0 mm 11.9 in
Net Weight	12.8 kg 28.2 lb

Packed Dimensions

Depth	353.0 mm 13.9 in
Length	1483.0 mm 58.4 in
Width	429.0 mm 16.9 in
Shipping Weight	22.8 kg 50.3 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



Included Products

DB380 — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

DB5083 — Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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