



## LNX-6512DS-T2M

**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: May 31, 2014**

#### **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	14.7	15.3
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	18.7	16.4
Beam Tilt, degrees	2	2
USLS, typical, dB	19	19
Front-to-Back Ratio at 180°, dB	32	26
CPR at Boresight, dB	22	25
CPR at Sector, dB	13	13
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-T2M

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	12.7 kg   28.0 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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