



## LNX-6512DS-T4M

**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	14.5	15.3
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	18.7	16.4
Beam Tilt, degrees	4	4
USLS, typical, dB	20	20
Front-to-Back Ratio at 180°, dB	30	32
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

## 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

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

INX-6512DS-T4M

Wind Speed, maximum 85.4 lbf @ 150 km/h  
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 22.4 kg | 49.4 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