



## LNX-6513DS-T4M

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

- Excellent gain, USLS, VSWR, and PIM specification to improve network quality
- Exceptional horizontal pattern roll-off and strong front-to-back ratio
- Ideal solution to maximize coverage and capacity in suburban and rural areas

### Electrical Specifications

Frequency Band, MHz	698–806	806–896
Gain, dBi	14.9	15.4
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	16.7	14.7
Beam Tilt, degrees	4	4
USLS, typical, dB	20	21
Front-to-Back Ratio at 180°, dB	32	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

### 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	437.9 N @ 150 km/h 98.4 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h   149.8 mph

### Dimensions

Depth	181.0 mm   7.1 in
Length	1390.0 mm   54.7 in
Width	301.0 mm   11.9 in
Net Weight	13.8 kg   30.4 lb

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## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
China RoHS SJ/T 11364-2006  
ISO 9001:2008

### Classification

Compliant by Exemption  
Above Maximum Concentration Value (MCV)  
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.