



LNX-8511DS-T4M

Andrew® Antenna, 698–896 MHz, 85° horizontal beamwidth, fixed electrical tilt

- Ideal choice for site collocations and tough zoning restrictions
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Ideal solution for dense urban, suburban site applications
- Excellent solution for site sharing and maximizing capacity
- Exceptional horizontal roll-off and front-to-back ratio for superior capacity efficiency

OBSOLETE

This product was discontinued on: May 31, 2014

Replaced By

LRX-8512DS-VTM

Andrew® Antenna, 698–960 MHz, 85° horizontal beamwidth, RET compatible

Electrical Specifications

Frequency Band, MHz	698–806	806–896
Gain, dBi	13.9	14.3
Beamwidth, Horizontal, degrees	85	85
Beamwidth, Vertical, degrees	18.4	16.5
Beam Tilt, degrees	4	4
USLS, typical, dB	22	20
Front-to-Back Ratio at 180°, dB	28	30
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	379.9 N @ 150 km/h

INX-8511DS-T4M



85.4 lbf @ 150 km/h
Wind Speed, maximum 241.0 km/h | 149.8 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

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.