



LNX-8514DS-VTM

DualPol® Teletilt® Antenna, 698–896 MHz, 85° horizontal beamwidth, RET compatible

- Great solution to maximize network coverage and capacity
- Excellent front-to-back ratio, USLS, VSWR, and PIM specifications to enhance network quality
- Fully compatible with Andrew remote electrical tilt system for greater OpEx savings
- Vertical beam optimized for capacity efficiency
- The RF connectors are IP67 rated and the radome is IP56 rated

Electrical Specifications

Frequency Band, MHz	698–806	806–896
Beamwidth, Horizontal, degrees	85	85
Gain, dBi	16.1	16.8
Beamwidth, Vertical, degrees	8.6	7.8
Beam Tilt, degrees	0–8	0–8
USLS, typical, dB	17	17
Front-to-Back Ratio at 180°, dB	27	27
Isolation, dB	30	30
VSWR Return Loss, db	1.4:1 15.6	1.4:1 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	400	400
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm
Lightning Protection	dc Ground	dc Ground

Mechanical Specifications

Color Radome Material	Light gray Fiberglass, UV resistant
Connector Interface Location Quantity	7-16 DIN Female Bottom 2
Wind Loading, maximum	879.0 N @ 150 km/h 197.6 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h 149.8 mph

Dimensions

Depth	181.0 mm 7.1 in
Length	2449.00 mm 96.42 in
Width	301.00 mm 11.85 in
Net Weight	23.10 kg 50.93 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator LNX-8514DS-R2M

Model with Factory Installed AISG 2.0 Actuator LNX-8514DS-A1M

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)

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Included Products

DB380 — Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Used for wide panel antennas. Includes two clamp sets.

DB5083 — Downtilt Mounting Kit for 2.4 - 4.5 in (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.

Horizontal Pattern

Vertical Pattern

