

2UPX210B-T2



4-port multibeam antenna, 4x 694–896 MHz, 2x 37° HPBW, 2x RET with manual override.

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on both beams
- Each port has an integrated bias tee, and each beam has its own smart switch that automatically selects between bias tee or AISG inputs according to a predetermined priority table
- Single panel design supporting two separate beams perfectly optimized at horizontal pointing angles of +27 degrees and –27 degrees from boresight

Electrical Specifications

Frequency Band, MHz	694–806	806–896
Gain, dBi	17.9	18.7
Beam Centers, Horizontal, degrees	±27	±27
Beamwidth, Horizontal, degrees	39	36
Beamwidth, Vertical, degrees	9.6	8.4
Beam Tilt, degrees	0–10	0–10
USLS (First Lobe), dB	21	21
Front-to-Back Ratio at 180°, dB	34	40
Isolation, Cross Polarization, dB	25	25
Isolation, Inter-band, dB	18	18
VSWR Return Loss, dB	1.43 15.0	1.43 15.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port at 50°C, maximum, watts	200	200
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	694–806	806–896
Gain by all Beam Tilts, average, dBi	17.6	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.3
Gain by Beam Tilt, average, dBi	0 ° 17.6 5 ° 17.6 10 ° 17.6	0 ° 18.5 5 ° 18.5 10 ° 18.4
Beamwidth, Horizontal Tolerance, degrees	±1.8	±1.6
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.4
USLS, beampeak to 20° above beampeak, dB	21	19
Front-to-Back Total Power at 180° ± 30°, dB	25	29
CPR at Boresight, dB	20	19

* 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.](#)

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General Specifications

Operating Frequency Band	694 – 896 MHz
Antenna Type	Multibeam
Band	Single band
Performance Note	Outdoor usage
Total Input Power, maximum	700 W @ 50 °C

Mechanical Specifications

RF Connector Quantity, total	4
RF Connector Quantity, low band	4
RF Connector Interface	7-16 DIN Female
Grounding Type	RF connector body grounded to reflector and mounting bracket
Radiator Material	Copper Low loss circuit board
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Location	Bottom
Wind Loading, frontal	1,102.0 N @ 150 km/h 247.7 lbf @ 150 km/h
Wind Loading, lateral	372.0 N @ 150 km/h 83.6 lbf @ 150 km/h
Wind Loading, maximum	1497.0 N @ 150 km/h 336.5 lbf @ 150 km/h
Wind Speed, maximum	200 km/h 124 mph

Dimensions

Length	2533.0 mm 99.7 in
Width	640.0 mm 25.2 in
Depth	235.0 mm 9.3 in
Net Weight, without mounting kit	47.0 kg 103.6 lb

Remote Electrical Tilt (RET) Information

Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 Port 2 Port 3 Port 4
Internal RET	Low band (2)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Protocol	3GPP/AISG 2.0 (Single RET)
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	1 female 2 male

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Packed Dimensions

Length	2684.0 mm 105.7 in
Width	797.0 mm 31.4 in
Depth	402.0 mm 15.8 in
Shipping Weight	67.0 kg 147.7 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Designed, manufactured and/or distributed under this quality management system Above Maximum Concentration Value (MCV)
ISO 9001:2015	
China RoHS SJ/T 11364-2014	



Included Products

T-029-GL-E — Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance