

LLPX310R-V1



4-port sector antenna, 4x 2300–2700 MHz, 65° HPBW, 2x RET with manual override

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on all arrays

General Specifications

Antenna Type	Sector
Band	Single band
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Polyester fiberglass pultrusion
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

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

Dimensions

Width	300 mm 11.811 in
Depth	115 mm 4.528 in
Length	1077 mm 42.402 in
Net Weight, without mounting kit	13 kg 28.66 lb

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Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	2300 – 2700 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	2300–2500	2500–2700
Gain, dBi	17.2	17.8
Beamwidth, Horizontal, degrees	65	63
Beamwidth, Vertical, degrees	7	6.5
Beam Tilt, degrees	0–10	0–10
USLS (First Lobe), dB	18	18
Front-to-Back Ratio at 180°, dB	30	30
Isolation, Cross Polarization, dB	30	30
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, maximum, watts	250	250

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Mechanical Specifications

Wind Loading @ Velocity, maximum	450.0 N @ 160 km/h (101.2 lbf @ 160 km/h)
Wind Speed, maximum	200 km/h (124 mph)

Packaging and Weights

Width, packed	366 mm 14.409 in
Depth, packed	213 mm 8.386 in
Length, packed	1260 mm 49.606 in
Weight, gross	21.5 kg 47.399 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant
UK-ROHS	Compliant



Included Products

- T-045-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