

CNNPX310R-6P



6-port sector antenna, 2x 824–960 and 4x 1710–2170 MHz, 65° HPBW, 3x RET with manual override.

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

OBSOLETE

This product was discontinued on: November 30, 2023

Replaced By:

RVV-65D-R3VB

6-port sector antenna, 2x 694–960 and 4x 1695–2690 MHz, 65° HPBW, 3x RET

General Specifications

Antenna Type	Sector
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
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, low band	2
RF Connector Quantity, total	6

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) Low band (1)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Protocol	3GPP/AISG 2.0 (Single RET)

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Dimensions

Width	370 mm 14.567 in
Depth	120 mm 4.724 in
Length	2630 mm 103.543 in
Net Weight, without mounting kit	36.5 kg 80.469 lb

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2170 MHz 824 – 960 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	824–890	890–960	1710–1880	1920–2170
Gain, dBi	17	17.5	16.8	17.8
Beamwidth, Horizontal, degrees	67	62	68	63
Beamwidth, Vertical, degrees	7.5	7	7.2	6.5
Beam Tilt, degrees	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	18	18	18	18
Front-to-Back Ratio at 180°, dB	25	25	25	25
Isolation, Cross Polarization, dB	30	30	30	30
VSWR Return loss, dB	1.43 15.0	1.43 15.0	1.43 15.0	1.43 15.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150
Input Power per Port, maximum, watts	500	500	300	300

Mechanical Specifications

Wind Loading @ Velocity, maximum	1,430.0 N @ 160 km/h (321.5 lbf @ 160 km/h)
Wind Speed, maximum	200 km/h (124 mph)

Packaging and Weights

Width, packed	440 mm 17.323 in
Depth, packed	216 mm 8.504 in
Length, packed	2755 mm 108.465 in
Weight, gross	38.5 kg 84.878 lb

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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



Included Products

- T-029-GL-E – Adjustable Tilt Pipe Mounting Kit for 2.362"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance