

CNPX308R-4P



Multiband Antenna, 824–960 and 1710–2170 MHz, 65° horizontal beamwidth, internal electrical tilt 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: December 31, 2016

Replaced By

DBXLH-6565B-VTM
DBXLH-6565B-A2M

4-port sector antenna, 2x 824–960 and 2x 1710–2180 MHz, 65° HPBW, RET compatible

Electrical Specifications

Frequency Band, MHz	824–890	890–960	1710–1880	1920–2170
Gain, dBi	16.2	17.0	16.0	17.0
Beamwidth, Horizontal, degrees	67	62	68	63
Beamwidth, Vertical, degrees	9.5	9.0	9.5	8.5
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
Polarization	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm

General Specifications

Operating Frequency Band	1710 – 2170 MHz 824 – 960 MHz
Antenna Type	Sector
Band	Multiband
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	4
RF Connector Quantity, low band	2
RF Connector Quantity, high band	2

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RF Connector Interface	7-16 DIN Female
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radome Material	Polyester fiberglass pultrusion
RF Connector Location	Bottom
Wind Loading, maximum	1150.0 N @ 160 km/h 258.5 lbf @ 160 km/h
Wind Speed, maximum	200 km/h 124 mph

Dimensions

Length	2120.0 mm 83.5 in
Width	370.0 mm 14.6 in
Depth	120.0 mm 4.7 in
Net Weight, without mounting kit	23.5 kg 51.8 lb

Remote Electrical Tilt (RET) Information

Input Voltage	10–30 Vdc
Internal RET	High band (1) Low band (1)
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 Male
RET Interface, quantity	1 male

Packed Dimensions

Length	2250.0 mm 88.6 in
Width	440.0 mm 17.3 in
Depth	220.0 mm 8.7 in
Shipping Weight	29.0 kg 63.9 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

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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