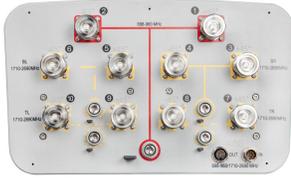


RV4PX306R



10-port sector antenna, 2x 698–960 and 8x 1710–2690 MHz, 65° HPBW, 5x RET with manual override.

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	ASA, UV stabilized
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	8
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	2
RF Connector Quantity, total	10

Remote Electrical Tilt (RET) Information

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

Dimensions

Width	353 mm 13.898 in
Depth	209 mm 8.228 in

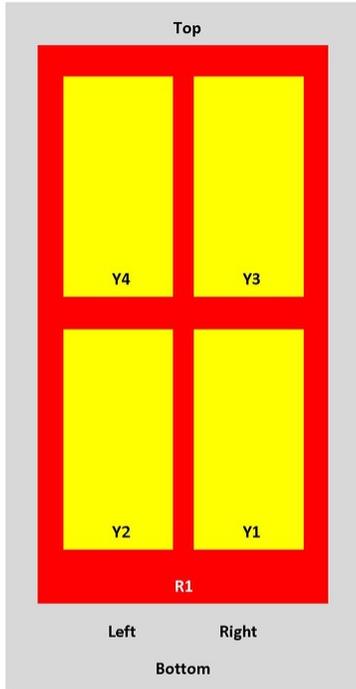
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Length 1599 mm | 62.953 in

Net Weight, without mounting kit 24 kg | 52.911 lb

Array Layout

RV4PX



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-960	1-2	1	ARXXXXXXXXXXXXXXXXX1
Y1	1710-2690	3-4	2	ARXXXXXXXXXXXXXXXXX2
Y2	1710-2690	5-6	3	ARXXXXXXXXXXXXXXXXX3
Y3	1710-2690	7-8	4	ARXXXXXXXXXXXXXXXXX4
Y4	1710-2690	9-10	5	ARXXXXXXXXXXXXXXXXX5

View from the front of the antenna

(Sizes of colored boxes are not true depictions of array sizes)

Electrical Specifications

Impedance 50 ohm
Operating Frequency Band 1710 – 2690 MHz | 698 – 960 MHz
Polarization ±45°

Electrical Specifications

Frequency Band, MHz	698–790	790–890	890–960	1710–1920	1920–2180	2300–2690
Gain, dBi	14.2	14.4	14.9	14.7	15.2	16.1

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Beamwidth, Horizontal, degrees	68	69	63	63	63	62
Beamwidth, Vertical, degrees	16.4	14.9	13.6	13.7	12.2	9.7
Beam Tilt, degrees	0–10	0–10	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	18	18	18	18	18	18
Null Fill, dB	-22	-22	-22	-22	-22	-22
Front-to-Back Ratio at 180°, dB	23	23	23	27	28	28
CPR at Boresight, dB	16	12	12	17	15	14
CPR at Sector, dB	8	8	6	5	3	2
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR Return loss, dB	1.43 15.0	1.43 15.0	1.43 15.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	300	300	300	250	250	250

Mechanical Specifications

Wind Loading @ Velocity, frontal	681.0 N @ 150 km/h (153.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	265.0 N @ 150 km/h (59.6 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	699.0 N @ 150 km/h (157.1 lbf @ 150 km/h)
Wind Speed, maximum	250 km/h (155 mph)

Packaging and Weights

Width, packed	427 mm 16.811 in
Depth, packed	325 mm 12.795 in
Length, packed	1787 mm 70.354 in
Weight, gross	39 kg 85.98 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance

RV4PX306R

ROHS Compliant/Exempted
UK-ROHS Compliant



Included Products

T-041-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