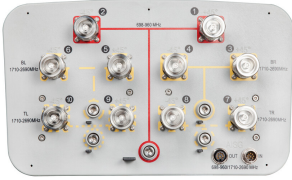


# RV4PX306R



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

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	ASA, UV stabilized
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	8
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	10

## Remote Electrical Tilt (RET) Information

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

## Dimensions

<b>Width</b>	353 mm   13.898 in
<b>Depth</b>	209 mm   8.228 in
<b>Length</b>	1599 mm   62.953 in

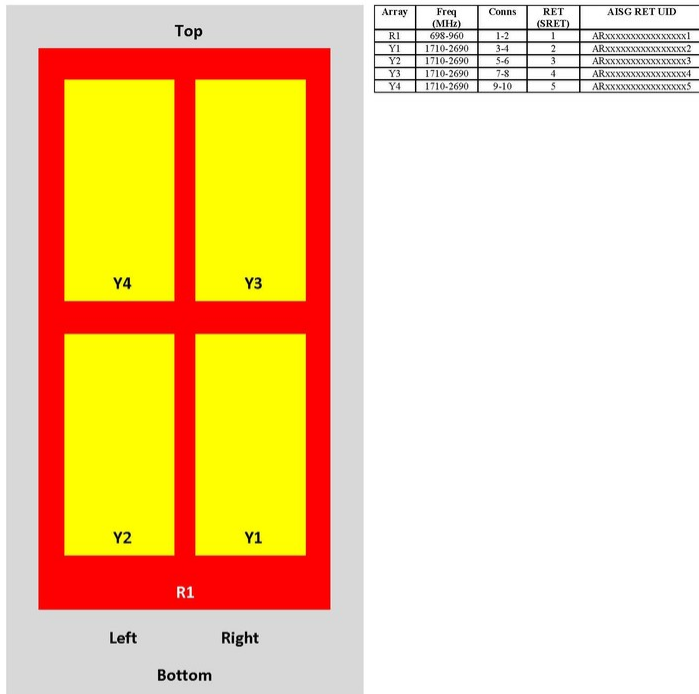
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Net Weight, without mounting kit

24 kg | 52.911 lb

## Array Layout

RV4PX



View from the front of the antenna  
(Sizes of colored boxes are not true depictions of array sizes)

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2690 MHz   698 – 960 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

Frequency Band, MHz	698–790	790–890	890–960	1710–1920	1920–2180	2300–2690
<b>Gain, dBi</b>	14.2	14.4	14.9	14.7	15.2	16.1
<b>Beamwidth, Horizontal,</b>	68	69	63	63	63	62

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## degrees

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

## Mechanical Specifications

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

## Packaging and Weights

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

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant/Exempted

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UK-ROHS

Compliant/Exempted



## 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