

# V4PP-360S-F



12-port small cell antenna, 8x 1695–2690 and 4x 5150–5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

## OBSOLETE

This product was discontinued on: **March 27, 2020**

### Replaced By:

V4SSPP-360S-F

16-port small cell antenna, 8x 1695–2690, 4x 3300-3800 and 4x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

## General Specifications

<b>Antenna Type</b>	Small Cell
<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   Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
<b>Radome Material</b>	ASA, UV stabilized
<b>Radiator Material</b>	Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	12
<b>RF Connector Quantity, total</b>	12

## Dimensions

<b>Length</b>	620 mm   24.409 in
<b>Net Weight, without mounting kit</b>	13.1 kg   28.881 lb
<b>Outer Diameter</b>	305 mm   12.008 in

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## 5 GHz Port Power Table

5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   5150 – 5925 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

Frequency Band, MHz	1695–1920	1920–2180	2300–2690	5150–5925
<b>Gain, dBi</b>	7.2	7.3	8.4	4.6
<b>Beamwidth, Horizontal, degrees</b>	360	360	360	360
<b>Beamwidth, Vertical, degrees</b>	21.6	18.7	15	25.1
<b>Beam Tilt, degrees</b>	7	7	7	0
<b>USLS (First Lobe), dB</b>	13	12	13	5
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25
<b>Isolation, Inter-band, dB</b>	25	25	25	25
<b>VSWR   Return loss, dB</b>	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-150	
<b>Input Power per Port at 50°C, maximum, watts</b>	75	75	75	5

## Electrical Specifications, BASTA

Frequency Band, MHz	1695–1920	1920–2180	2300–2690	5150–5925
<b>Gain by all Beam Tilts, average, dBi</b>	6.7	7	8	4
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.8	±0.3	±0.9	±0.8
<b>Beamwidth, Vertical Tolerance, degrees</b>	±2.1	±1.8	±1.4	±5
<b>CPR at Boresight, dB</b>	14	18	19	13

## Mechanical Specifications

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<b>Wind Loading @ Velocity, frontal</b>	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	418 mm   16.457 in
<b>Depth, packed</b>	404 mm   15.906 in
<b>Length, packed</b>	888 mm   34.961 in
<b>Weight, gross</b>	17.2 kg   37.919 lb

## Regulatory Compliance/Certifications

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



## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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