

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, 8 x 1695-2690, 4 x 3300-4000, 4 x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

General Specifications

Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	ASA, UV stabilized
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	12
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	0
RF Connector Quantity, total	12

Dimensions

Length	620 mm 24.409 in
Net Weight, without mounting kit	13.1 kg 28.881 lb

V4PP-360S-F

Outer Diameter

305 mm | 12.008 in

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

Impedance

50 ohm

Operating Frequency Band

1695 – 2690 MHz | 5150 – 5925 MHz

Polarization

±45°

Electrical Specifications

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

Mechanical Specifications

Wind Loading @ Velocity, frontal

103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)

Wind Loading @ Velocity, maximum

103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)

Wind Loading @ Velocity, rear

103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)

Wind Speed, maximum

241 km/h (150 mph)

V4PP-360S-F

Packaging and Weights

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

Regulatory Compliance/Certifications

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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