V4PP-360S-F

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

This product will be 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.

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	15.0	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	
Polarization	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	**1695–1920**	**1920–2180**	**2300–2690**	**5150–5925**
Gain by all Beam Tilts, average, dBi	6.7	7.0	8.0	4.0
Gain by all Beam Tilts Tolerance, dB	±0.8	±0.3	±0.9	±0.8
Beamwidth, Vertical Tolerance, degrees	±2.1	±1.8	±1.4	±5
CPR at Boresight, dB	14	18	19	13

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, download the whitepaper Time to Raise the Bar on BSAs.

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**

General Specifications

Operating Frequency Band	1695 – 2690 MHz | 5150 – 5925 MHz
Antenna Type	Small Cell
Band	Multiband
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	12
RF Connector Quantity, high band	12
RF Connector Interface	4.3-10 Female
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Low loss circuit board
Radome Material	ASA, UV stabilized
Reflector Material	Aluminum
RF Connector Location	Bottom
Wind Loading, frontal	103.0 N @ 150 km/h 23.2 lbf @ 150 km/h
Wind Loading, maximum	103.0 N @ 150 km/h 23.2 lbf @ 150 km/h
Wind Speed, maximum	241 km/h | 150 mph

Dimensions

Length	620.0 mm | 24.4 in

V4PP-360S-F

Outer Diameter	305.0 mm | 12.0 in
Net Weight, without mounting kit	13.1 kg | 28.9 lb

Packed Dimensions

Length	888.0 mm | 35.0 in
Width	418.0 mm | 16.5 in
Depth	404.0 mm | 15.9 in
Shipping Weight	17.2 kg | 37.9 lb

Regulatory Compliance/Certifications

Agency	**Classification**
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance