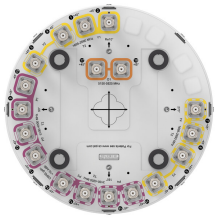
V4S4P-360S-F2



18-port small cell antenna, 8x 1695-2690, 8x 3100- 4200,2x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

- Broadband Mid Band arrays (AWS/PCS/WCS/Band 41) with 4T4R (4X MIMO) capability
- Broadband performance – optimized for CBRS and C-bands
- 8 high gain ports for the 3GHz band

General Specifications

Antenna Type	Small Cell
Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
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	18
RF Connector Quantity, low band	0
RF Connector Quantity, total	18

Dimensions

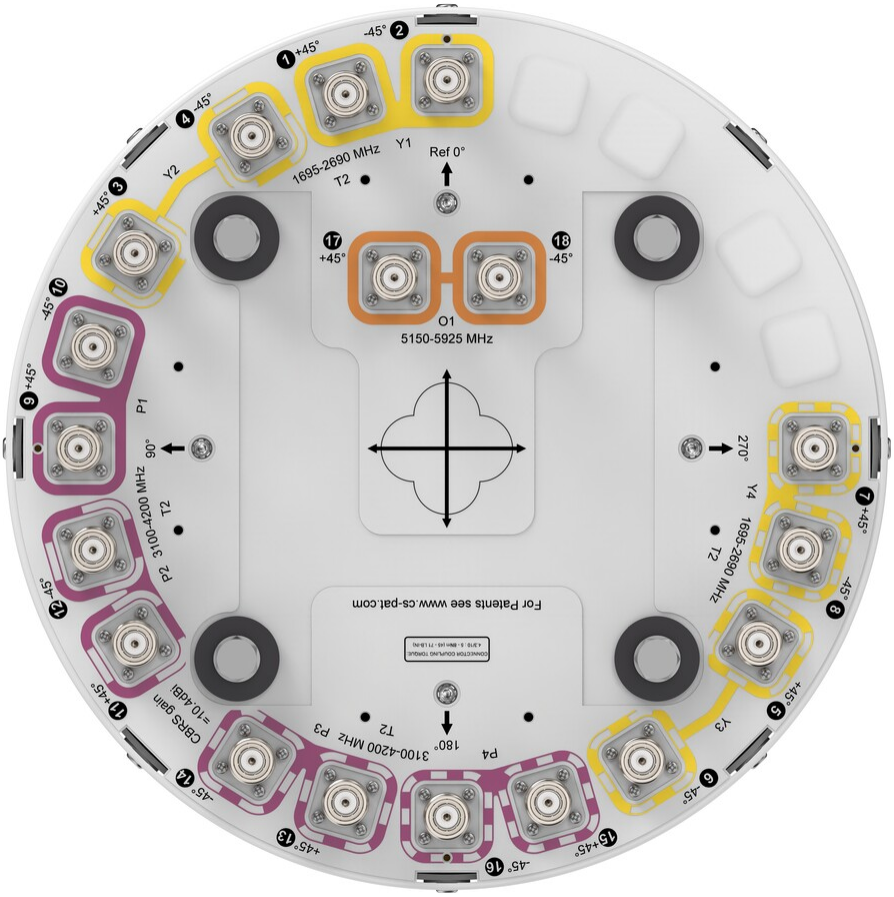
Length	610 mm | 24.016 in
Net Weight, without mounting kit	16 kg | 35.274 lb
Outer Diameter	370 mm | 14.567 in

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

Port Configuration

V4S4P-360S-F2



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz | 3100 – 4200 MHz | 5150 – 5925 MHz
Polarization	±45°
Total Input Power, maximum	1,000 W

Electrical Specifications

Frequency Band, MHz	**1695–1920**	**1920–2200**	**2300–2690**	**3100–3550**	**3550–3700**	**3700–4200**	**5150–5925**
Gain, dBi	8	9.3	8.7	9.5	10.4	10	3.9
Beamwidth, Horizontal, degrees	360	360	360	360	360	360	360
Beamwidth, Vertical, degrees	21.9	19.5	16	10.2	9.2	8.1	23.6

V4S4P-360S-F2

Beam Tilt, degrees	2	2	2	2	2	2	2
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25
Isolation, Inter-band, dB	28	28	28	28	28	28	28
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	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	-153	-145	-145	-145	
Input Power per Port, maximum, watts	200	200	200	150	150	150	10
Input Power per Port at 50°C, maximum, watts	150	150	150	100	100	100	5

Electrical Specifications, BASTA

Frequency Band, MHz	**1695–1920**	**1920–2200**	**2300–2690**	**3100–3550**	**3550–3700**	**3700–4200**	**5150–5925**
Gain by all Beam Tilts, average, dBi	7.4	8.3	8	9.1	9.5	9.4	2.8
Gain by all Beam Tilts Tolerance, dB	±0.8	±1.2	±1.1	±0.7	±0.7	±0.6	±1.6
Beamwidth, Vertical Tolerance, degrees	±2.5	±2	±1.7	±1.9	±0.9	±1.1	±4.9

Mechanical Specifications

Wind Loading @ Velocity, frontal	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	478 mm | 18.819 in
Depth, packed	464 mm | 18.268 in
Length, packed	894 mm | 35.197 in
Weight, gross	20.4 kg | 44.974 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

V4S4P-360S-F2

ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance