

20-port small cell antenna, 4x 698-896, 8x 1695-2690, 8x 3300-4200, 360° Horizontal Beamwidth, fixed tilt.

#### General Specifications

Antenna Type Omni

**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

Radiator Material Aluminum | Low loss circuit board

20

Reflector Material Aluminum

**RF Connector Interface** 4.3-10 Female

**RF Connector Location** Bottom

RF Connector Quantity, high band 8
RF Connector Quantity, mid band 8
RF Connector Quantity, low band 4

**Dimensions** 

 Length
 610 mm | 24.016 in

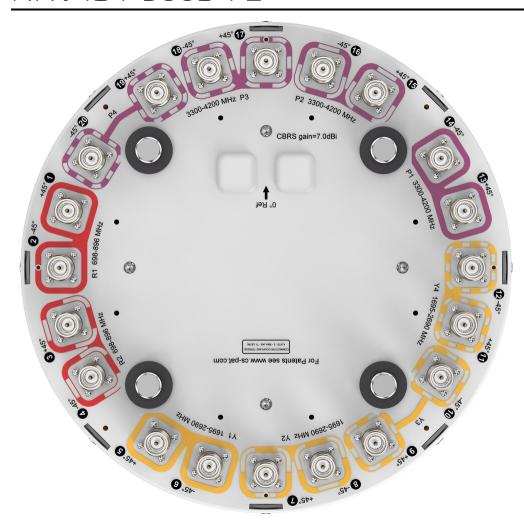
 Net Weight, antenna only
 15 kg | 33.069 lb

 Outer Diameter
 370 mm | 14.567 in

Port Configuration

RF Connector Quantity, total





## **Electrical Specifications**

**Impedance** 50 ohm

**Operating Frequency Band** 1695 – 2690 MHz | 3300 – 4200 MHz | 698 – 896 MHz

Polarization ±45°

**Total Input Power, maximum** 900 W @ 50 °C

### **Electrical Specifications**

	R1,R2	R1,R2	Y1-Y4	Y1-Y4	Y1-Y4	Y1-Y4	P1-P4	P1-P4	P1-P4
Frequency Band, MHz	698-806	806-896	1695-192	01920-218	02300-236	02360-269	03300-355	03550-370	03700-4200
RF Port	1~4	1~4	5~12	5~12	5~12	5~12	13~20	13~20	13~20
Gain, dBi	4.9	5.2	7.4	8.3	8.7	8.9	6.3	6.3	6.2
Beamwidth, Horizontal,	360	360	360	360	360	360	360	360	360

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degrees									
Beamwidth, Vertical, degrees	45.9	48.8	23.1	19.2	17.3	15.5	34.5	33.5	28.5
Beam Tilt, degrees	2	2	2	2	2	2	2	2	2
USLS (First Lobe), dB	12	12	10	11	11	11	10	10	10
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	25	25	25	25
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	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-145	-145	-145
Input Power per Port at 50° C, maximum, watts	100	100	100	100	100	100	75	75	75

#### Electrical Specifications, BASTA

Frequency Band, MHz	698-806	806-896	1695-192	01920-218	02300-236	02360-269	03300-355	03550-370	03700-4200
Gain by all Beam Tilts, average, dBi	4.6	4.7	7	7.6	8.1	8.4	6	6.1	5.8
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.7	±0.6	±0.8	±0.8	±1	±0.8	±0.6	±1
Beamwidth, Vertical Tolerance, degrees	±5	±6	±3.5	±3	±1.8	±1.4	±6	±5	±7

### 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
 19.7 kg | 43.431 lb

#### Regulatory Compliance/Certifications

Agency Classification

COMMSCOPE®

CHINA-ROHS Above maximum concentration value

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

ROHS Compliant/Exempted UK-ROHS Compliant/Exempted



\* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance

