

2-port sector antenna, 2x 694-960MHz, 65°HPBW, 1x RET

- All Internal RET actuators are connected in "Cascaded SRET" configuration
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

General Specifications

Antenna Type Sector

Band Single band

Color Light Gray (RAL 7035)

Grounding TypeRF connector inner conductor and body grounded to reflector and mounting

bracket

Performance Note Outdoor usage

Radome MaterialFiberglass, UV resistantRadiator MaterialLow loss circuit board

Reflector Material Aluminum

RF Connector Interface 4.3-10 Female

RF Connector LocationBottom

RF Connector Quantity, low band 2
RF Connector Quantity, total 2

Remote Electrical Tilt (RET) Information

RET Hardware CommRET v2

RET Interface 8-pin DIN Female | 8-pin DIN Male

RET Interface, quantity 1 female | 1 male

Input Voltage10-30 VdcInternal RETLow band (1)

Power Consumption, active state, maximum 10 W Power Consumption, idle state, maximum 2 W

Protocol 3GPP/AISG 2.0 (Single RET)

Dimensions

Width 320 mm | 12.598 in

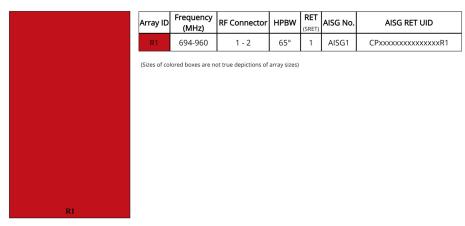
COMMSCOPE®

Depth 140 mm | 5.512 in

Length 2500 mm | 98.425 in

Net Weight, antenna only 22.3 kg | 49.163 lb

Array Layout



Port Configuration



Electrical Specifications



Impedance 50 ohm

Operating Frequency Band 694 – 960 MHz

Polarization ±45°

Total Input Power, maximum 500 W

Electrical Specifications

R1	R1	R1
694-790	790-890	890-960
1,2	1,2	1,2
16.5	17.2	17.4
69	66	64
8.9	7.8	7
0-10	0-10	0-10
21	21	18
31	32	32
28	28	28
1.5 14.0	1.5 14.0	1.5 14.0
-153	-153	-153
300	300	300
	694-790 1,2 16.5 69 8.9 0-10 21 31 28 1.5 14.0 -153	694-790790-8901,21,216.517.269668.97.80-100-102121313228281.5 14.01.5 14.0-153-153

Electrical Specifications, BASTA

Frequency Band, MHz	694-790	790-890	890-960
Gain by all Beam Tilts, average, dBi	16.2	17	17.1
Gain by all Beam Tilts Tolerance, dB	±0.5	±0.3	±0.4
Beamwidth, Horizontal Tolerance, degrees	±2	±2	±1
Beamwidth, Vertical Tolerance, degrees	±0.6	±0.5	±0.4
Front-to-Back Total Power at 180° ± 30°, dB	25	27	26
CPR at Boresight, dB	22	25	27
CPR at Sector, dB	13	13	11

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 418.0 N @ 150 km/h (94.0 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 378.0 N @ 150 km/h (85.0 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 915.0 N @ 150 km/h (205.7 lbf @ 150 km/h)

Wind Speed, maximum 241 km/h (150 mph)



Packaging and Weights

 Width, packed
 425 mm | 16.732 in

 Depth, packed
 235 mm | 9.252 in

 Length, packed
 2780 mm | 109.449 in

Weight, gross 33.4 kg | 73.634 lb

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

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

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

