

4P-4L-C2-V11



4-port sector antenna, 4x 698–960 MHz, 65° HPBW, 2x RET

General Specifications

Antenna Type	Sector
Band	Single band
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, low band	4
RF Connector Quantity, total	4

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 Voltage	10–30 Vdc
Internal RET	Low band (2)
Power Consumption, active state, maximum	13 W
Power Consumption, idle state, maximum	2 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Width	448 mm 17.638 in
Depth	145 mm 5.709 in
Length	2450 mm 96.457 in

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Net Weight, without mounting kit

25.5 kg | 56.218 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (SPE)	AISG No.	RET UID
R1	698-960	1 - 2	1	AISG1	ANxxxxxxxxxxxxR1
R2	698-960	3 - 4	2	AISG1	ANxxxxxxxxxxxxR2

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	698 – 960 MHz
Polarization	±45°
Total Input Power, maximum	800 W

Electrical Specifications, BASTA

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Frequency Band, MHz	698–803	824–894	880–960
Gain by all Beam Tilts, average, dBi	15.4	16.1	16.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.6	±0.7
Beamwidth, Horizontal Tolerance, degrees	±7	±6	±6
Beamwidth, Vertical Tolerance, degrees	±0.8	±0.7	±0.7

Mechanical Specifications

Wind Loading @ Velocity, frontal	960.0 N @ 150 km/h (215.8 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	279.0 N @ 150 km/h (62.7 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	988.0 N @ 150 km/h (222.1 lbf @ 150 km/h)
Wind Speed, maximum	200 km/h (124 mph)

Packaging and Weights

Width, packed	550 mm 21.654 in
Depth, packed	245 mm 9.646 in
Length, packed	2670 mm 105.118 in
Weight, gross	34.5 kg 76.059 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.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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