

- Ideal 4T4R low band antenna for use with an FD mMIMO antenna
- Antenna optimized for higher gain with superior radiation efficiency
- Powered by Andrew's SEED® technology (Sustainable Energy Efficient Design)
- Superior patterns for enhanced interference mitigation resulting in improved SINR, higher throughput, and more capacity
- Best in class PIM immunity
- Internal SBT allows remote RET control from the radio over the RF jumper cable

General Specifications

Antenna TypeMultibeamBandSingle 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 Location Bottom

RF Connector Quantity, low band 8

Remote Electrical Tilt (RET) Information

RET Hardware CommRET v2

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

RET Interface, quantity 2 female | 2 male

Input Voltage 10-30 Vdc

Internal Bias Tee Port 1 | Port 5

Internal RET Low band (2)

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

ANDREW®
an Amphenol company

Power Consumption, normal conditions, maximum 10 W

Protocol 3GPP/AISG 2.0 (Multi-RET)

Dimensions

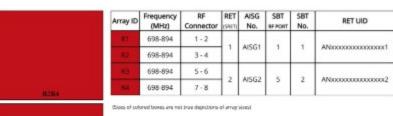
 Width
 749 mm | 29.488 in

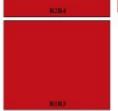
 Depth
 197 mm | 7.756 in

 Length
 2438 mm | 95.984 in

 Net Weight, without mounting kit
 64 kg | 141.096 lb

Array Layout





Port Configuration



Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 698 – 894 MHz

Polarization ±45°

Total Input Power, maximum 1,000 W

Electrical Specifications



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R1-R4	R1-R4
698-798	824-894
1-8	1-8
16.8	17.5
16.3	17.2
±27	±27
33	30
18.9	16.9
2-16	2-16
20	21
17	18
30	37
27	33
21	22
25	25
17	17
1.5 14.0	1.5 14.0
-153	-153
200	200
	698-798 1-8 16.8 16.3 ±27 33 18.9 2-16 20 17 30 27 21 25 17 1.5 14.0 -153

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 2,397.0 N @ 150 km/h (538.9 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 268.0 N @ 150 km/h (60.2 lbf @ 150 km/h)

 Wind Loading @ Velocity, maximum
 2,397.0 N @ 150 km/h (538.9 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 2,397.0 N @ 150 km/h (538.9 lbf @ 150 km/h)

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

Packaging and Weights

 Width, packed
 910 mm | 35.827 in

 Depth, packed
 356 mm | 14.016 in

 Length, packed
 3201 mm | 126.024 in

 Weight, gross
 100 kg | 220.462 lb

Regulatory Compliance/Certifications

Agency Classification



UK-ROHS Compliant

Included Products

BSAMNT-9 – Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.

Kit contains one scissor top bracket set and one bottom bracket set.

BSAMNT-M9 – Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round

members. Kit contains one scissor bracket set.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

