

RR-65D-R2N43



4-port sector antenna, 4x 694-960MHz, 65° HPBW, 2 x RET

- All Internal RET actuators are connected in “Cascaded SRET” configuration
- Retractable tilt indicator rods
- Excellent wind loading characteristics

This product will be discontinued on: December 31, 2025

General Specifications

| | |
|----------------------------------|--|
| Antenna Type | Sector |
| Band | Single band |
| 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 | 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, high band | 0 |
| RF Connector Quantity, mid band | 0 |
| 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 | 2 female 2 male |
| Input Voltage | 10–30 Vdc |
| Internal RET | Low band (2) |
| Power Consumption, active state, maximum | 8 W |

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| | |
|--|----------------------------|
| Power Consumption, idle state, maximum | 1 W |
| Protocol | 3GPP/AISG 2.0 (Single RET) |

Dimensions

| | |
|--------------------------|----------------------|
| Width | 430 mm 16.929 in |
| Depth | 197 mm 7.756 in |
| Length | 2769 mm 109.016 in |
| Net Weight, antenna only | 37.7 kg 83.114 lb |

Array Layout

| | | | | | |
|--|-------|------------|-------|---------------|----------------------|
| <div><div>R1</div><div>R2</div></div> | Array | Freq (MHz) | Conns | RET (SRET) | AISG RET UID |
| | R1 | 694-960 | 1-2 | 1 | CPxxxxxxxxxxxxxxxxR1 |
| | R2 | 694-960 | 3-4 | 2 | CPxxxxxxxxxxxxxxxxR2 |
| | | | | | |
| | | | | | |
| | | | | | |
| <div><div>Left</div><div>Right</div><div>Bottom</div></div> <div>(Sizes of colored boxes are not true depictions of array sizes)</div> | | | | | |

Port Configuration

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Electrical Specifications

| | |
|----------------------------|---------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 694 – 960 MHz |
| Polarization | ±45° |
| Total Input Power, maximum | 700 W @ 50 °C |

Electrical Specifications

| | R1,R2 | R1,R2 | R1,R2 |
|-----------------------------------|---------|---------|---------|
| Frequency Band, MHz | 694–790 | 790–890 | 890–960 |
| RF Port | 1,2,3,4 | 1,2,3,4 | 1,2,3,4 |
| Gain, dBi | 15.7 | 16.2 | 16.8 |
| Beamwidth, Horizontal, degrees | 62 | 56 | 55 |
| Beamwidth, Vertical, degrees | 7.7 | 6.9 | 6.3 |
| Beam Tilt, degrees | 2–12 | 2–12 | 2–12 |
| USLS (First Lobe), dB | 15 | 17 | 16 |
| Front-to-Back Ratio at 180°, dB | 32 | 33 | 29 |
| Isolation, Cross Polarization, dB | 27 | 27 | 27 |

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| | | | |
|--|------------|------------|------------|
| Isolation, Inter-band, dB | 27 | 27 | 27 |
| VSWR Return loss, dB | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 |
| Input Power per Port at 50°C, maximum, watts | 250 | 250 | 250 |

Mechanical Specifications

| | |
|----------------------------------|---|
| Wind Loading @ Velocity, frontal | 651.0 N @ 150 km/h (146.4 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 351.0 N @ 150 km/h (78.9 lbf @ 150 km/h) |
| Wind Loading @ Velocity, maximum | 1,028.0 N @ 150 km/h (231.1 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 421.0 N @ 150 km/h (94.6 lbf @ 150 km/h) |
| Wind Speed, maximum | 241 km/h (150 mph) |

Packaging and Weights

| | |
|----------------|----------------------|
| Width, packed | 530 mm 20.866 in |
| Depth, packed | 356 mm 14.016 in |
| Length, packed | 2897 mm 114.055 in |
| Weight, gross | 57.9 kg 127.647 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 |



Included Products

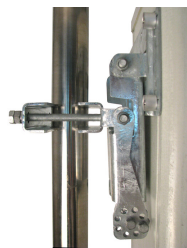
| | | |
|-----------|---|--|
| BSAMNT-4 | – | Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set. |
| BSAMNT-M4 | – | Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set. |

* Footnotes

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Performance Note Severe environmental conditions may degrade optimum performance

BSAMNT-4



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.

Product Classification

Product Type Downtilt mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 115 mm | 4.528 in

Compatible Diameter, minimum 60 mm | 2.362 in

Weight, net 6.5 kg | 14.33 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

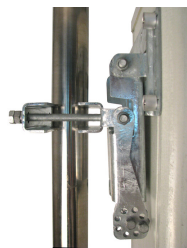
Packaging quantity 1

Regulatory Compliance/Certifications

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| REACH-SVHC | Compliant as per SVHC revision on www.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



BSAMNT-M4



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.

Product Classification

Product Type Downtilt mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 115 mm | 4.528 in

Compatible Diameter, minimum 60 mm | 2.362 in

Weight, net 4.6 kg | 10.141 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
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