

#### 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 MaterialFiberglass, UV resistantRadiator MaterialLow 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 Voltage10-30 VdcInternal RETLow 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** 

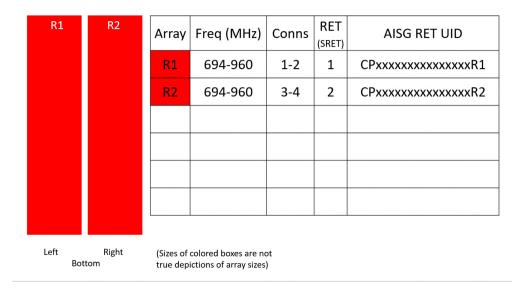
 Width
 430 mm | 16.929 in

 Depth
 197 mm | 7.756 in

 Length
 2769 mm | 109.016 in

 Net Weight, antenna only
 37.7 kg | 83.114 lb

### Array Layout



### Port Configuration





## **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



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,	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	<ul> <li>Wide Profile Antenna Downfilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.</li> </ul>
	Kit contains one scissor top bracket set and one bottom bracket set.
	10.11. 5

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