

# 2UPX210B-T2-V2



4-port multibeam antenna, 4x 694–896 MHz, 2x 37° HPBW, 2x RET

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt on both beams
- Single panel design supporting two separate beams perfectly optimized at horizontal pointing angles of +27 degrees and –27 degrees from boresight

## General Specifications

<b>Antenna Type</b>	Multibeam
<b>Band</b>	Single band
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	0
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	4
<b>RF Connector Quantity, total</b>	4

## Remote Electrical Tilt (RET) Information

<b>RET Hardware</b>	CommRET v2
<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	1 female   1 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	Low band (2)
<b>Power Consumption, active state, maximum</b>	10 W
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

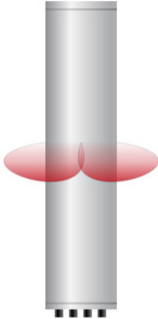
<b>Width</b>	640 mm   25.197 in
<b>Depth</b>	235 mm   9.252 in
<b>Length</b>	2533 mm   99.724 in

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Net Weight, antenna only

56.6 kg | 124.781 lb

## Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG No.	RET UID
R1	694-896	1 - 2	1	AISG1	CPxxxxxxxxxxxxR1
R2	694-896	3 - 4	2	AISG1	CPxxxxxxxxxxxxR2

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

## Port Configuration

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## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	694 – 896 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	700 W @ 50 °C
<b>BASTA Version, electrical</b>	BASTA v12

## Electrical Specifications

	<b>R1,R2</b>	<b>R1,R2</b>
<b>Frequency Band, MHz</b>	<b>694–806</b>	<b>806–896</b>
<b>RF Port</b>	1-4	1-4
<b>Gain at Mid Tilt, dBi</b>	17.2	18.7

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<b>Beam Centers, Horizontal, degrees</b>	±27	±27
<b>Beamwidth, Horizontal, degrees</b>	40	35
<b>Beamwidth, Vertical, degrees</b>	8.8	7.6
<b>Beam Tilt, degrees</b>	2–12	2–12
<b>USLS (First Lobe), dB</b>	18	16
<b>Front-to-Back Ratio at 180°, dB</b>	25	31
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	22	23
<b>Isolation, Cross Polarization, dB</b>	25	25
<b>Isolation, Inter-band, dB</b>	25	25
<b>Isolation, Beam to Beam, dB</b>	17	17
<b>VSWR   Return loss, dB</b>	1.5   14.0	1.5   14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150
<b>Input Power per Port at 50°C, maximum, watts</b>	200	200

## Mechanical Specifications

<b>BASTA Version, mechanical</b>	BASTA v11
<b>Wind Loading @ Velocity, frontal</b>	1,102.0 N @ 150 km/h (247.7 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	372.0 N @ 150 km/h (83.6 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	1,497.0 N @ 150 km/h (336.5 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	1,135.0 N @ 150 km/h (255.2 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	200 km/h (124 mph)

## Packaging and Weights

<b>Width, packed</b>	744 mm   29.291 in
<b>Depth, packed</b>	346 mm   13.622 in
<b>Length, packed</b>	2662 mm   104.803 in
<b>Weight, gross</b>	76.5 kg   168.653 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant
UK-ROHS	Compliant

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## 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

**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

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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
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
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

