

# DD-65B-R2

4-port sector antenna, 4x 790–960 MHz, 65° HPBW, 2x RET



- Two DualPol® arrays in compact size with integrated RET capability
- Each DualPol® array can be independently adjusted for greater flexibility
- Engineered to support 4xMIMO applications & 4-way receive diversity for optimum coverage

## OBSOLETE

This product was discontinued on: **March 31, 2022**

### Replaced By:

RR-65B-R2

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

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Aluminum
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, low band</b>	4
<b>RF Connector Quantity, total</b>	4

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	AISG1 8-pin DIN Female   AISG1 8-pin DIN Male
<b>RET Interface, quantity</b>	1 female   1 male
<b>Input Voltage</b>	10–30 Vdc

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<b>Internal RET</b>	Low band (2)
<b>Power Consumption, idle state, maximum</b>	1 W
<b>Power Consumption, normal conditions, maximum</b>	10 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Width</b>	498 mm   19.606 in
<b>Depth</b>	197 mm   7.756 in
<b>Length</b>	2100 mm   82.677 in
<b>Net Weight, without mounting kit</b>	28 kg   61.729 lb

## Port Configuration



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	790 – 960 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

Frequency Band, MHz	790–862	814–894	870–960
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# DD-65B-R2

Gain, dBi	16.5	16.6	16.8
Beamwidth, Horizontal, degrees	69	67	66
Beamwidth, Vertical, degrees	10	9.6	9.1
Beam Tilt, degrees	0–10	0–10	0–10
USLS (First Lobe), dB	18	20	21
Front-to-Back Ratio at 180°, dB	30	32	30
Isolation, Cross Polarization, dB	30	30	30
Isolation, Inter-band, dB	30	30	30
VSWR   Return loss, dB	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	300	300	300

## Electrical Specifications, BASTA

Frequency Band, MHz	790–862	814–894	870–960
Gain by all Beam Tilts, average, dBi	16.1	16.3	16.5
Gain by all Beam Tilts Tolerance, dB	±0.5	±0.4	±0.5
Gain by Beam Tilt, average, dBi	0°   16.0 5°   16.2 10°   16.0	0°   16.2 5°   16.4 10°   16.2	0°   16.3 5°   16.6 10°   16.5
Beamwidth, Horizontal Tolerance, degrees	±4.9	±3.8	±3.9
Beamwidth, Vertical Tolerance, degrees	±0.6	±0.5	±0.5
USLS, beampeak to 20° above beampeak, dB	18	19	18
Front-to-Back Total Power at 180° ± 30°, dB	23	24	24
CPR at Boresight, dB	24	25	24
CPR at Sector, dB	13	16	11

## Mechanical Specifications

Mechanical Tilt Range	0°–12°
Wind Loading @ Velocity, frontal	803.0 N @ 150 km/h (180.5 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	275.0 N @ 150 km/h (61.8 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	1,040.0 N @ 150 km/h (233.8 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	661.0 N @ 150 km/h (148.6 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

## Packaging and Weights

Width, packed	608 mm   23.937 in
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<b>Depth, packed</b>	352 mm   13.858 in
<b>Length, packed</b>	2282 mm   89.843 in
<b>Weight, gross</b>	43 kg   94.799 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## Included Products

BSAMNT-3	-	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.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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# BSAMNT-3



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** 6.2 kg | 13.669 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 6.4 kg | 14.11 lb

## Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
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-3

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