

RRV4-65D-R6VB-V601



12-port sector antenna, 4x 694–960 and 8x 1695–2690 MHz, 65° HPBW, 6x RET

- All Internal RET actuators are connected in “Cascaded SRET” configuration
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

General Specifications

Antenna Type	Sector
Band	Multiband
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	Aluminum
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, mid band	8
RF Connector Quantity, low band	4
RF Connector Quantity, total	12

Remote Electrical Tilt (RET) Information

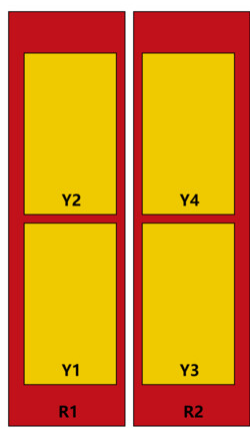
RET Hardware	CommRET v2
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	1 female 1 male
Input Voltage	10–30 Vdc
Internal RET	Low band (2) Mid band (4)
Power Consumption, active state, maximum	10 W
Power Consumption, idle state, maximum	2 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

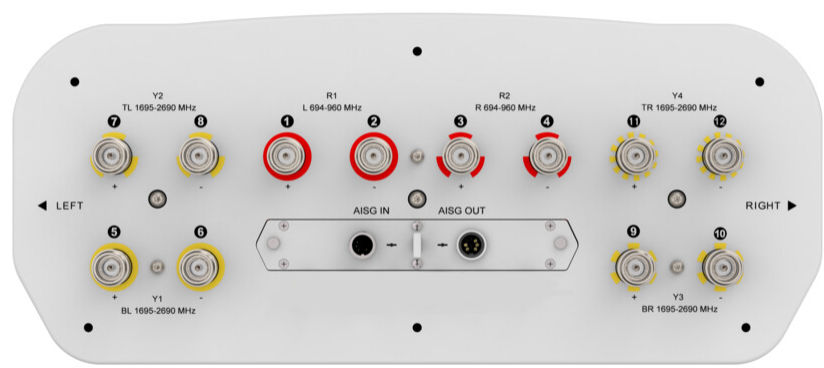
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Width	469 mm 18.465 in
Depth	198 mm 7.795 in
Length	2580 mm 101.575 in
Net Weight, without mounting kit	43.7 kg 96.342 lb

Array Layout

	Array ID	Frequency (MHz)	RF Connector	HPBW	RET (SRET)	AISG No.	AISG RET UID
	R1	694-960	1 - 2	65°	1	AISG1	CPxxxxxxxxxxxxR1
	R2	694-960	3 - 4	65°	2	AISG1	CPxxxxxxxxxxxxR2
	Y1	1695-2690	5 - 6	65°	3	AISG1	CPxxxxxxxxxxxxY1
	Y2	1695-2690	7 - 8	65°	4	AISG1	CPxxxxxxxxxxxxY2
	Y3	1695-2690	9 - 10	65°	5	AISG1	CPxxxxxxxxxxxxY3
	Y4	1695-2690	11 - 12	65°	6	AISG1	CPxxxxxxxxxxxxY4
	(Sizes of colored boxes are not true depictions of array sizes)						

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz 694 – 960 MHz
Polarization	±45°
Total Input Power, maximum	1,000 W

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Electrical Specifications

	R1,R2	R1,R2	R1,R2	Y1-Y4	Y1-Y4	Y1-Y4	Y1-Y4
Frequency Band, MHz	698–806	790–894	890–960	1695–1995	1920–2300	2300–2500	2490–2690
RF Port	1-4	1-4	1-4	5-12	5-12	5-12	5-12
Gain, dBi	16.2	16.8	17	16.6	16.8	16.8	17
Beamwidth, Horizontal, degrees	65	64	63	67	65	63	58
Beamwidth, Vertical, degrees	8.6	7.7	7.2	7	6.3	5.6	5.3
Beam Tilt, degrees	2–12	2–12	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	18	20	20	15	18	22	21
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	27	27	30	29	29	27	26
CPR at Boresight, dB	26	30	27	24	21	19	19
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	25	25
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	250	250	250	200	200	200	200

Mechanical Specifications

Wind Loading @ Velocity, frontal	709.0 N @ 150 km/h (159.4 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	383.0 N @ 150 km/h (86.1 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	753.0 N @ 150 km/h (169.3 lbf @ 150 km/h)
Wind Speed, maximum	200 km/h (124 mph)

Packaging and Weights

Width, packed	540 mm 21.26 in
Depth, packed	275 mm 10.827 in
Length, packed	2850 mm 112.205 in
Weight, gross	58.2 kg 128.309 lb

Regulatory Compliance/Certifications

Agency	Classification
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ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
UK-ROHS	Compliant

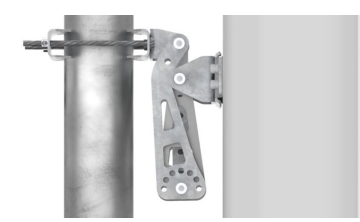
Included Products

BSAMNT-B92-07	–	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

Performance Note	Severe environmental conditions may degrade optimum performance
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BSAMNT-B92-07



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 5.4 kg | 11.905 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware
Weight, gross 5.8 kg | 12.787 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

