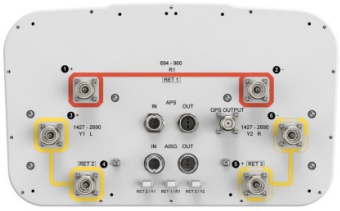
RZZ-65B-R3V6G



6-port sector antenna, 2x 694-960 and 4x 1427- 2690 MHz, 65° HPBW, 3x RET

- High radiation and pattern efficiency for improved coverage area, capacity or reduced power consumption for a given area
- Reduces the amount of aluminum used to minimize CO2 release
- SEED® antenna providing high gain and improved efficiency
- Retractable tilt indicator rods
- Includes integrated APS with GPS, RAE mode (can be reconfigured to RET or ASD+GLS mode)

General Specifications

Antenna Type	Sector
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, mid band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

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 (1) | Mid band (2)
Power Consumption, active state, maximum	10 W
Power Consumption, idle state, maximum	2 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Width	350 mm | 13.78 in

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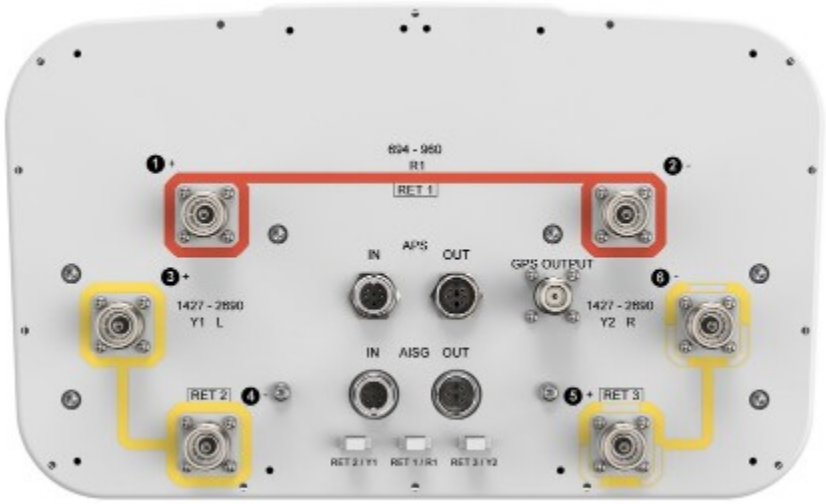
Depth	208 mm | 8.189 in
Length	2000 mm | 78.74 in
Net Weight, without mounting kit	21.8 kg | 48.061 lb

Array Layout

Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG No.	RET UID
R1	694-960	1 - 2	1	AISG1	CPxxxxxxxxxxxxxxR1
Y1	1427-2690	3 - 4	2	AISG1	CPxxxxxxxxxxxxxxY1
Y2	1427-2690	5 - 6	3	AISG1	CPxxxxxxxxxxxxxxY2

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

Port Configuration



Logo Image

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RZZ-65B-R3V6G

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1427 – 2690 MHz | 694 – 960 MHz
Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

Electrical Specifications

	R1	R1	R1	Y1,Y2	Y1,Y2	Y1,Y2	Y1,Y2	Y1,Y2
Frequency Band, MHz	**698–806**	**790–894**	**890–960**	**1427–1518**	**1695–1995**	**1920–2300**	**2300–2500**	**2490–2690**
RF Port	1-2	1-2	1-2	3-6	3-6	3-6	3-6	3-6
Gain at Mid Tilt, dBi	15.9	16.5	16.8	17.1	18.7	19.1	19.5	19.5
Beamwidth, Horizontal, degrees	69	65	64	68	61	60	60	61
Beamwidth, Vertical, degrees	11	10.2	9.4	7.4	6.2	5.5	4.9	4.5
Beam Tilt, degrees	2–12	2–12	2–12	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	17	17	18	18	23	21	17	17
Front-to-Back Ratio at 180°, dB	28	30	30	31	34	32	34	34
Front-to-Back Total Power at 180° ± 30°, dB	20	22	22	25	28	27	29	29
CPR at Boresight, dB	18	20	23	17	20	19	20	21
Isolation, Cross Polarization, dB	27	27	27	26	26	26	26	26
Isolation, Inter-band, dB	27	27	27	26	26	26	26	26
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	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153	-153
Input Power per Port at 50°C,	300	300	300	250	250	250	200	200

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maximum, watts

Mechanical Specifications

Wind Loading @ Velocity, frontal	335.0 N @ 150 km/h (75.3 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	283.0 N @ 150 km/h (63.6 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	709.0 N @ 150 km/h (159.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	355.0 N @ 150 km/h (79.8 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	456 mm | 17.953 in
Depth, packed	357 mm | 14.055 in
Length, packed	2147 mm | 84.528 in
Weight, gross	31.4 kg | 69.225 lb

Regulatory Compliance/Certifications

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

Included Products

BSAMNT-2F	–	Mounting bracket for cylindrical pipe installations (60-115mm pipe diameter) for fix mechanical tilt applications.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

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