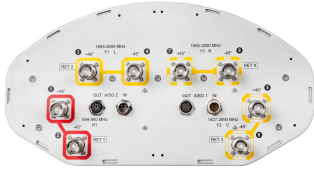


RZVV-65A-R4-V4



8-port sector antenna, 2x 694–960, 2x 1427-2690 and 4x 1695–2690 MHz, 65° HPBW, 4x RET

- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector
- Supports re-configurable antenna sharing capability enabling control of the internal RET system using up to two separate RET compatible OEM radios

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
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	6
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	2
RF Connector Quantity, total	8

Remote Electrical Tilt (RET) Information

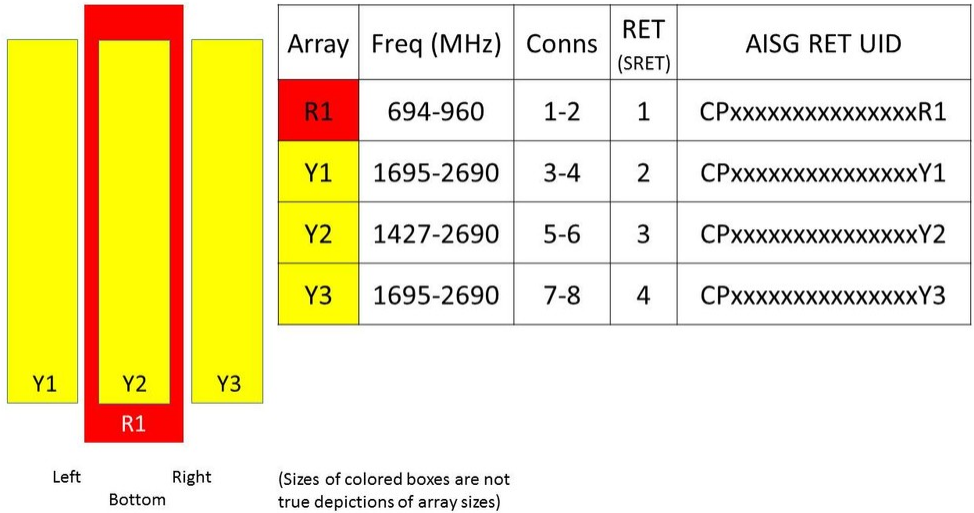
RET Hardware	CommRET v2
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	2 female 2 male
Input Voltage	10–30 Vdc
Internal RET	High band (3) Low band (1)
Power Consumption, idle state, maximum	1 W
Power Consumption, normal conditions, maximum	8 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

RZVV-65A-R4-V4

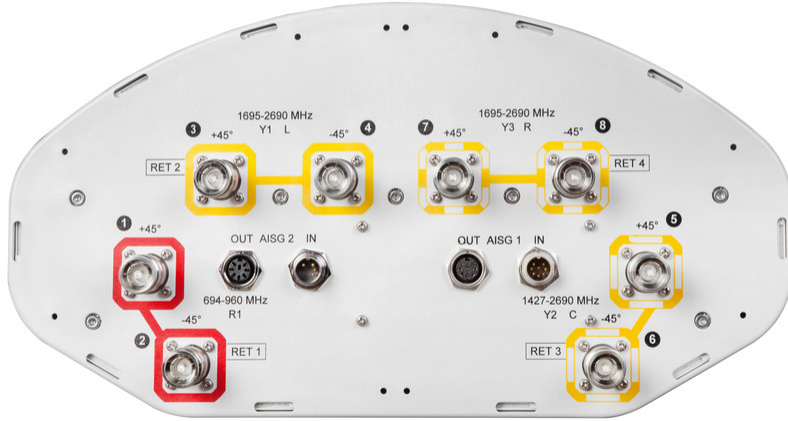
Width	395 mm 15.551 in
Depth	203 mm 7.992 in
Length	1499 mm 59.016 in
Net Weight, without mounting kit	22.8 kg 50.265 lb

Array Layout



Port Configuration

RZVV-65A-R4-V4



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1427 – 2690 MHz 1695 – 2690 MHz 694 – 960 MHz
Polarization	±45°
Total Input Power, maximum	800 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	694–790	790–862	880–960	1427–1518	1695–1920	1920–2180	2300–2500	2490–2690
Gain, dBi	13.7	14.2	14.2	15.3	16.8	17.6	18	17.9
Beamwidth, Horizontal, degrees	72	70	68	67	68	64	56	55
Beamwidth, Vertical, degrees	16.7	15.2	14.1	9.4	7.4	6.6	5.8	5.4
Beam Tilt, degrees	2–18	2–18	2–18	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	20	19	17	18	20	19	18	17
Front-to-Back Ratio at 180°, dB	35	36	33	29	33	33	32	29
Isolation, Cross Polarization, dB	28	28	28	26	28	28	28	28
Isolation, Inter-band, dB	28	28	28	28	28	28	28	28
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

RZVV-65A-R4-V4

PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	300	300	300	250	250	250	200	200

Mechanical Specifications

Effective Projective Area (EPA), frontal	0.35 m ² 3.767 ft ²
Effective Projective Area (EPA), lateral	0.18 m ² 1.938 ft ²
Mechanical Tilt Range	0°–12°
Wind Loading @ Velocity, frontal	376.0 N @ 150 km/h (84.5 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	192.0 N @ 150 km/h (43.2 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	480.0 N @ 150 km/h (107.9 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	361.0 N @ 150 km/h (81.2 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	523 mm 20.591 in
Depth, packed	384 mm 15.118 in
Length, packed	1620 mm 63.78 in
Weight, gross	37 kg 81.571 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-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.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance