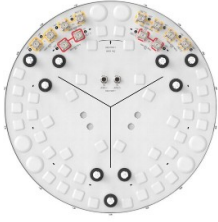


1X-RRV4-65B-R4



12- ports antenna ,4x 694-960 and 8x 1695-2690 MHz, 65° HPBW, 4x RET

- Supports re-configurable antenna sharing capability enabling control of the internal RET system using up to two separate RET compatible OEM radios
- Fully integrated flange mounting system for ease of installation
- Ideal concealment solution for areas with special regulations regarding visual impact
- Separated Extension KIT available for this antenna, check Optional Mounting Kits section

General Specifications

Antenna Type	Tri-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	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 Male
RET Interface, quantity	2 male
Internal RET	Low band (2) Mid band (2)
Power Consumption, active state, maximum	10 W
Power Consumption, idle state, maximum	2 W

Dimensions

Length	2100 mm 82.677 in
Net Weight, antenna only	72.8 kg 160.496 lb
Outer Diameter	580 mm 22.835 in

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Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG No.	RET UID
R1	694-960	1 - 2	1	AISG1	CPxxxxxxxxxxxxxxxxR1
R2	694-960	3 - 4	2	AISG1	CPxxxxxxxxxxxxxxxxR2
Y1	1695-2690	5 - 6	3	AISG1	CPxxxxxxxxxxxxxxxxY1
Y2	1695-2690	7 - 8			
Y3	1695-2690	9 - 10	4	AISG1	CPxxxxxxxxxxxxxxxxY3
Y4	1695-2690	11 - 12			

(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	800 W @ 50 °C

Electrical Specifications

R1,R2 R1,R2 R1,R2 Y1-Y4 Y1-Y4 Y1-Y4 Y1-Y4

1X-RRV4-65B-R4

Frequency Band, MHz	694–790	790–890	880–960	1695–1920	1920–2180	2300–2500	2500–2690
RF Port	1-4	1-4	1-4	5-12	5-12	5-12	5-12
Gain, dBi	14.5	14.9	15.2	16.8	18	18.4	18.1
Beamwidth, Horizontal, degrees	64	59	55	70	63	58	62
Beamwidth, Vertical, degrees	10.7	9.7	8.7	6	5.4	4.7	4.4
Beam Tilt, degrees	2–14	2–14	2–14	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	16	15	14	16	17	20	20
Front-to-Back Ratio at 180°, dB	31	30	28	31	33	31	33
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 at 50°C, maximum, watts	250	250	250	200	200	200	200

Mechanical Specifications

Wind Loading @ Velocity, frontal	720.0 N @ 150 km/h (161.9 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	720.0 N @ 150 km/h (161.9 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	720.0 N @ 150 km/h (161.9 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	720.0 N @ 150 km/h (161.9 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	750 mm 29.528 in
Depth, packed	690 mm 27.165 in
Length, packed	2510 mm 98.819 in
Weight, gross	94 kg 207.234 lb

Regulatory Compliance/Certifications

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

1X-RRV4-65B-R4

* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance