

UU-65M-R2



4-port sector antenna, 4x 4400-5000 MHz, 65°HPBW, 2x RET

- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector
- With tilt indicators and internal RET

General Specifications

Antenna Type	Sector
Band	Single band
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	PVC, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

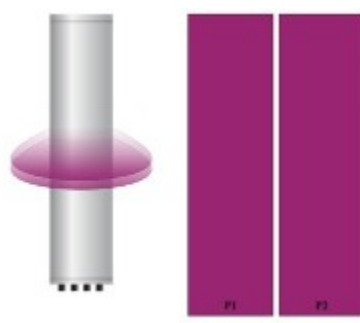
RET Hardware	CommRET v2
RET Interface	2x 8 pin connector as per IEC 60130-9 Daisy chain in: Male / Daisy chain out: Female Pin3: RS485A(AISG_B), Pin5: RS485B(AISG_A), Pin6: DC 10~30V, Pin7: DC_ Return
RET Interface, quantity	1 female 1 male
Input Voltage	10–30 Vdc
Internal RET	High band (2)
Power Consumption, 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	170 mm 6.693 in
Depth	105 mm 4.134 in
Length	998 mm 39.291 in
Net Weight, without mounting kit	6.5 kg 14.33 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (RET)	AISG No.	RET UID
P1	4400-5000	1 - 2	1	AISG1	CPxxxxxxxxxxxxxxxxP1
P2	4400-5000	3 - 4	2	AISG1	CPxxxxxxxxxxxxxxxxP2

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

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	4400 – 5000 MHz
Polarization	±45°
Total Input Power, maximum	500 W

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Electrical Specifications

	P1,P2
Frequency Band, MHz	4400–5000
RF Port	1-4
Gain, dBi	17.1
Beamwidth, Horizontal, degrees	60
Beamwidth, Vertical, degrees	5.5
Beam Tilt, degrees	0–10
USLS (First Lobe), dB	15
Front-to-Back Ratio at 180°, dB	29
CPR at Boresight, dB	18
Isolation, Cross Polarization, dB	25
Isolation, Inter-band, dB	25
VSWR Return loss, dB	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150
Input Power per Port, maximum, watts	150

Mechanical Specifications

Wind Loading @ Velocity, frontal	163.0 N @ 150 km/h (36.6 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	124.0 N @ 150 km/h (27.9 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	271.0 N @ 150 km/h (60.9 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	275 mm 10.827 in
Depth, packed	218 mm 8.583 in
Length, packed	1117 mm 43.976 in
Weight, gross	10.6 kg 23.369 lb

Regulatory Compliance/Certifications

Agency	Classification
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UU-65M-R2

UK-ROHS Compliant

Included Products

- DB390
- Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Use for narrow panel antennas. Includes two pipe mounts.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance