

XXPol 694~960MHz×2 65° 17.2dBi 0°~10° Integrated and replaceable RCU (Remote Control Unit) Antenna

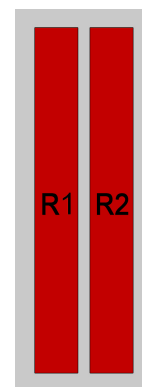
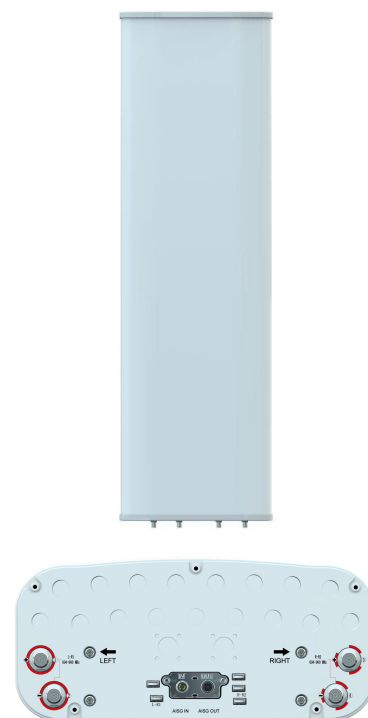
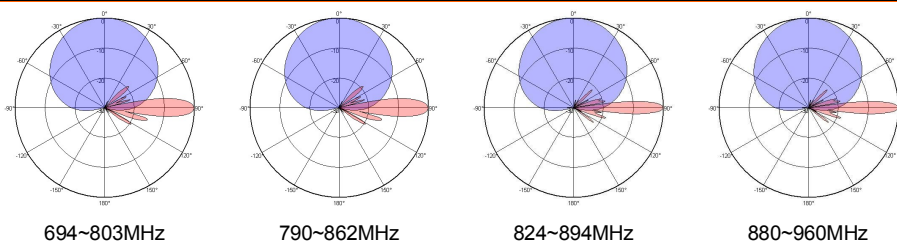
Electrical Specifications				
Frequency range (MHz)	694~960×2			
	694~803	790~862	824~894	880~960
Polarization	±45°			
Gain at mid tilt (dBi)	15.8	16.4	16.7	17.2
Gain over all tilts (dBi)	15.6±0.5	16.3±0.5	16.5±0.5	17±0.5
Horizontal 3dB beamwidth (°)	69±5	65±4	64±4	63±4
Vertical 3dB beamwidth (°)	8.8±0.6	8.0±0.6	7.8±0.3	7.5±0.2
Front to back ratio (dB) Total power, ±30°	>24	>24	>25	>26
Cross polar ratio (dB) (at Boresight)	>17	>19	>20	>20
Electrical downtilt (°)	0~10			
Sidelobe suppression (dB) (First sidelobe above main beam)	>16	>17	>17	>17
VSWR	<1.5			
Isolation: intra-system (dB)	≥25			
Isolation: inter-system (dB)	≥26			
Intermodulation IM3 (2×43dBm carrier)	≤-153 dBc			
Impedance (Ω)	50			
Max. power per input (W) @50°C	400			
Lightning protection	Dc Ground			

Mechanical Specifications

Connector	4×4.3-10-Female
Connector position	Bottom
Height × width × depth (mm)	2580×446×198
Packing size (mm)	2830×515×250
Antenna weight (kg)	33
Installation kit weight (kg)	7.5
Packing weight (kg)	48
Wind load (N,at 150km/h) Frontal/Lateral/Maximum	780/270/1080
Max. wind velocity (km/h)	250
Radome material	GFRPP
Radome color	Gray
Mechanical tilt (°)	0~8
Operating temperature (°C)	-50~65
Mounting hardware (mm)	Φ50~Φ115

Integrated RET Properties

RET model	TRCU-TQ10P2V01
RET type	Integrated (Replaceable)
RET protocol	AISG 2.0/3GPP
Power supply(V)	10-30 DC
Power consumption(W)	≤0.6 (Idle, 12V), ≤6 (In motion, 12V)
Adjustment time (Full Range)	<4Mins
Adjustment cycles	> 50,000
Temperature range (°C)	-40~65
Lightning protection	3KA(8/20μs) @ Pin5 & Pin3; 5KA(8/20μs) @ Pin1 / Pin6 & Pin7
Connectors	2×8 Pin circle connector according to IEC 60130-9 and AISG. Daisy chain in:Male,Daisy chain out:Female Pin1:12V;Pin3:RS485B;Pin5:RS485A;Pin6:10-30V; Pin7:GND;Pin2&Pin4&Pin8:N/C

Antenna Pattern Sample For Reference


Ant Array	RET Unique ID
R1	TY00000.....R1
R2	TY00000.....R2