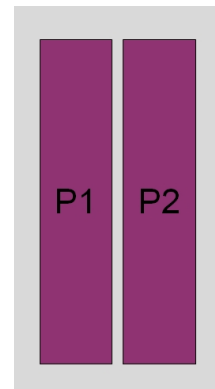


Tri-Sector XXPoI 3300~3800MHz×2 65° 14.5dBi 2°~12° Integrated and replaceable RCU (Remote Control Unit) Antenna

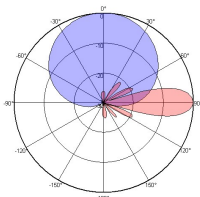
Electrical Specifications		
Frequency range (MHz)	P1/P2-3300~3800	
	3300~3600	3600~3800
Polarization	±45°	
Gain at mid tilt (dBi)	14.3	14.5
Gain over all tilts (dBi)	14.1±0.5	14.3±0.5
Horizontal 3dB beamwidth (°)	63±5	60±5
Vertical 3dB beamwidth (°)	10.6±0.6	9.9±0.5
Front to back ratio (dB) Total power, ±30°	>25	>25
Cross polar ratio (dB) (at Boresight)	>15	>15
Electrical downtilt (°)	2~12	
Sidelobe suppression (dB) (First sidelobe above main beam)	>15	>14
VSWR	<1.5	
Isolation: intra-system (dB)	≥25	
Isolation: inter-system (dB)	≥25	
Intermodulation IM3 (2×43dBm carrier)	≤-150 dBc	
Impedance (Ω)	50	
Max. power per input (W) @50°C	150	
Lightning protection	Dc Ground	

Mechanical Specifications	
Connector	3×4×4.3-10-Female
Connector position	Bottom
Height × width × depth (mm)	(680+360)×Φ280
Packing size (mm)	1170×445×445
Antenna weight (kg)	12.5
Installation kit weight (kg)	6.5
Packing weight (kg)	22
Wind load (N,at 150km/h) Frontal/Lateral/Maximum	149/149/149
Max. wind velocity (km/h)	216
Radome material	Fiberglass
Radome color	White
Mechanical tilt (°)	0
Operating temperature (°C)	-50~65

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



3300~3800 MHz

Ant Array	RET Unique ID
AP1	TY00000.....AP1
AP2	TY00000.....AP2
BP1	TY00000.....BP1
BP2	TY00000.....BP2
CP1	TY00000.....CP1
CP2	TY00000.....CP2