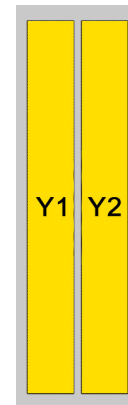


XXPoI 1710~2690MHz×2 65° 15dBi 2°~14° Integrated and replaceable RCU (Remote Control Unit) Antenna

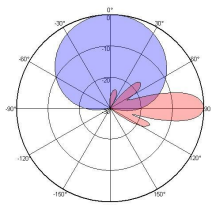
Electrical Specifications				
Frequency range (MHz)	Y1/Y2-1710~2690			
	1710~1990	1920~2200	2200~2490	2490~2690
Polarization	±45°			
Gain at mid tilt (dBi)	14.5	14.7	14.9	15.2
Gain over all tilts (dBi)	14.3±0.5	14.5±0.5	14.7±0.5	15.0±0.5
Horizontal 3dB beamwidth (°)	68±3.8	66±3.9	63±4.1	61±4.5
Vertical 3dB beamwidth (°)	13.8±1.2	12.0±1.1	11.2±0.5	10.8±0.7
Front to back ratio (dB) Total power, ±30°	>25	>25	>25	>25
Cross polar ratio (dB) (at Boresight)	>18	>18	>18	>18
Electrical downtilt (°)	2~14			
Sidelobe suppression (dB) (First sidelobe above main beam)	>15	>15	>15	>15
VSWR	<1.5			
Isolation: intra-system (dB)	>28			
Isolation: inter-system (dB)	>28			
Intermodulation IM3 (2×43dBm carrier)	≤-153 dBc			
Impedance (Ω)	50			
Max. power per input (W) @50°C	200			
Lightning protection	Dc Ground			

Mechanical Specifications	
Connector	4×4.3-10-Female
Connector position	Bottom
Height × width × depth (mm)	800×320×105
Packing size (mm)	1125×420×205
Antenna weight (kg)	9.5
Installation kit weight (kg)	4.1
Packing weight (kg)	15.4
Wind load (N,at 150km/h) Frontal/Lateral/Maximum	282/59/316
Max. wind velocity (km/h)	216
Radome material	Fiberglass
Radome color	Gray
Mechanical tilt (°)	0~15
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



Ant Array	RET Unique ID
Y1	TY00000.....Y1
Y2	TY00000.....Y2



1710~2690 MHz

Antenna Pattern Sample For Reference