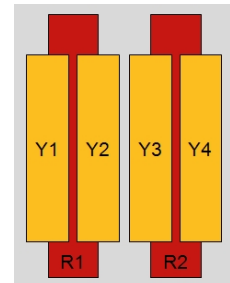
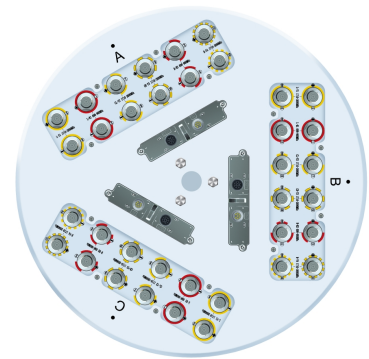


Tri-Sector XXXXXXPol 698~960MHz×2/1710~2690MHz×4 65°/65° 16/17.5dBi 2°~12°/2°~12° Integrated and replaceable RCU (Remote Control Unit) Antenna

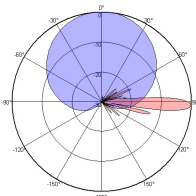
Electrical Specifications			
Frequency range (MHz)	R1/R2-698~960		
	698~803	803~880	870~960
Polarization	±45°		
Gain at mid tilt (dBi)	15.0	15.5	16.0
Gain over all tilts (dBi)	14.8±0.5	15.3±0.5	15.8±0.5
Horizontal 3dB beamwidth (°)	72±6	68±5	60±4
Vertical 3dB beamwidth (°)	9.0±0.8	8.3±0.7	7.8±0.5
Front to back ratio (dB) Total power, ±30°	>23	>23	>23
Cross polar ratio (dB) (at Boresight)	>15	>15	>15
Electrical downtilt (°)	2-12		
Sidelobe suppression (dB) (First sidelobe above main beam)	>16	>16	>16
VSWR	<1.5		
Isolation: intra-system (dB)	≥25		
Isolation: inter-system (dB)	≥22		
Intermodulation IM3 (2×43dBm carrier)	≤-150dBc		
Impedance (Ω)	50		
Max. power per input (W) @50°C	400		
Lightning protection	DC Ground		

Electrical Specifications						
Frequency Range (MHz)	Y1/Y2-1710~2690			Y3/Y4-1710~2690		
	1710~1880	1920~2170	2300~2690	1710~1880	1920~2170	2300~2690
Polarization	±45°			±45°		
Gain at mid tilt (dBi)	16.2	16.6	17.4	16.2	16.7	17.6
Gain over all tilts (dBi)	16.0±0.4	16.5±0.4	17.3±0.4	16.1±0.4	16.6±0.4	17.4±0.4
Horizontal 3dB beamwidth (°)	72±6	68±6	60±6	72±6	68±6	60±6
Vertical 3dB beamwidth (°)	≥6.5	≥5.8	≥5	≥6.5	≥5.8	≥5
Front to back ratio (dB) Total power, ±30°	>23	>23	>23	>25	>25	>25
Cross polar ratio (dB) (at Boresight)	>15	>15	>15	>15	>15	>15
Electrical downtilt (°)	2-12			2-12		
Sidelobe suppression (dB) (First sidelobe above main beam)	>15	>15	>15	>15	>15	>15
VSWR	<1.5			<1.5		
Isolation: intra-system (dB)	≥25			≥25		
Isolation: inter-system (dB)	≥23			≥23		
Intermodulation IM3 (2×43dBm carrier)	≤-150dBc			≤-150dBc		
Impedance (Ω)	50			50		
Max. power per input (W) @50°C	200			200		
Lightning protection	DC Ground					

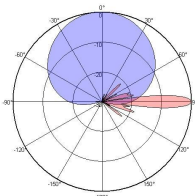
Mechanical Specifications	
Connector	3×12×4.3-10-Female
Connector position	Bottom
Height × width × depth (mm)	(2699+360)×Φ550
Packing size (mm)	3220×680×680
Antenna weight (kg)	112
Packing weight (kg)	130
Wind load (N,at 150km/h) Frontal/Lateral/Maximum	1160/1160/1160
Max. wind velocity (km/h)	216
Radome material	Fiberglass
Radome color	White
Operating temperature (°C)	-50~65
Integrated RET Properties	
RET model	TRCU-TQ20P3V03
RET type	Integrated (Replaceable)
RET protocol	AISG 2.0 SRET
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



698~960MHz



1710-2690MHz