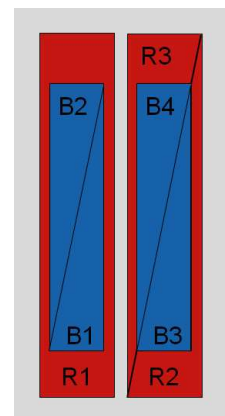


XXXXXXXXPoI 703~960MHz×2/824~884MHz/1710~1880MHz×2/1920~2170MHz×2 65°/65°/65°/65°
17.0/16.8/17.5/17.5dBi 2°~10°/2°~10°/2°~12°/2°~12° Integrated and replaceable RCU (Remote Control Unit)
Antenna

Electrical Specifications					
Frequency range (MHz)	R1/R2-(703~803/905~960)×2		R3-824~884	B1/B3-1710~1880	B2/B4-1920~2170
	703~803	905~960	824~884	1710~1880	1920~2170
Polarization	±45°				
Gain over all tilts (dBi)	16.6±1	17.0±1	16.8±1	17.5±1	17.5±1
Horizontal 3dB beamwidth (°)	69±7	65±6	67±6	65±6	63±6
Vertical 3dB beamwidth (°)	9.1±0.5	7.5±0.5	8.3±0.5	7.4±0.6	6.4±0.5
Front to back ratio (dB) Total power, ±30°	≥26	≥26	≥26	≥26	≥26
Cross polar ratio (dB) (at Boresight)	≥15	≥15	≥15	≥15	≥15
Electrical downtilt (°)	2~10		2~10	2~12	2~12
Sidelobe suppression (dB) (First sidelobe above main beam)	≥15	≥15	≥15	≥15	≥15
VSWR	<1.5				
Isolation: intra-system (dB)	≥25				
Isolation: inter-system (dB)	≥80(703~803/824~884) ≥80(703~803/905~960) ≥90(824~884/905~960)			≥30	
Intermodulation IM3 (2×43dBm carrier)	≤-150 dBc				
Impedance (Ω)	50				
Max. power per input (W) @50°C	350				
Lightning protection	Dc Ground				

Mechanical Specifications	
Connector	14×4.3-10-Female
Connector position	Bottom
Height × width × depth (mm)	2680×446×205
Packing size (mm)	2835×510×255
Antenna weight (kg)	44.5
Installation kit weight (kg)	8.7
Packing weight (kg)	54
Wind load (N,at 150km/h) Frontal/Lateral/Rearside	1433/447/1602
Max. wind velocity (km/h)	216
Radome material	Fiberglass
Radome color	Gray
Mechanical tilt (°)	0~8
Operating temperature (°C)	-50~65
Mounting hardware (mm)	Φ50~Φ115
Integrated RET Properties	
RET model	TRCU-TQ20P3V01
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
R1/R2/R3	TY00000.....R1
B1/B2/B3/B4	TY00000.....B1

