

X Pol 694~960MHz 45° 26 dBi 1°~4° Integrated and replaceable RCU (Remote Control Unit) Antenna

Electrical Specifications				
Frequency range (MHz)	694~960			
	694~803	790~862	824~894	880~960
Polarization	±45°			
Horizontal 3dB beamwidth (°)	46	43	41	39
1 Level				
Gain(dBi)	17.7	18.3	19.1	20.2
Vertical 3dB beamwidth (°)	9.0	8.2	7.8	7.3
2 Level				
Gain(dBi)	20.7	21.3	22.1	23.2
Vertical 3dB beamwidth (°)	4.5	4.1	3.9	3.6
4 Level				
Gain(dBi)	23.1	23.7	24.5	25.6
Vertical 3dB beamwidth (°)	2.3	2.1	2.0	1.9
Electrical downtilt (°)	1~4			
VSWR	<1.5			
Isolation (dB)	≥25			
Impedance (Ω)	50			
Max. power per input (W) @50°C	400			
Lightning protection	Dc Ground			

Integrated RET Properties	
RET model	TRCU-TQ20P3V10
RET type	Integrated (Replaceable)
RET protocol	AISG 2.0 / 3GPP
Power supply(V)	14-30 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 x 8 Pin circle connector according To IEC 60130-9 And AISG. Daisy chain in: Male; Daisy chain out :Female

Mechanical Specifications	
Connector	2×4.3-10 Female
Connector position	Bottom
Height × width × depth (mm)	1 Level : 2500×398×205 2 Level : 5000×398×205 4 Level : 10000×398×205
Antenna weight (kg)	36.8 (1 Level)
Max. wind velocity (km/h)	250
Radome material	Fiberglass
Radome color	Gray
Operating temperature (°C)	-50~65
Mounting hardware (mm)	Φ50~Φ115

