

XXXXXXPol 698~960MHzx2/1710~2690MHzx4 65°/65° 14.5/14.5dBi 2°~12°/2°~10° Integrated RCU (Remote Control Unit) Antenna

Electrical specifications

Frequency Range(MHz)	698~960 × 2		1710~2690 × 4			
	698~824	824~960	1710~1920	1920~2200	2200~2500	2500~2690
Polarization	±45°					
Gain (dBi)	13.8	14.5	13.8/13.5 (Bottom/Top)	14.0/13.7 (Bottom/Top)	14.3/14.0 (Bottom/Top)	14.5/14.2 (Bottom/Top)
Horizontal 3dB beamwidth (°)	68	65	65	63	60	58
Vertical 3dB beamwidth (°)	17.5	15.5	12.5	11.5	10.5	10
Front-to-back ratio (dB)	Typically:co-polar ≥25					
Cross-polar ratio (dB)	Typically:≥15 (±60°≥10)		Typically:≥15 (±60°≥10)	Typically:≥15 (±60°≥8)	Typically:≥15 (±60°≥6)	Typically:≥15 (±60°≥5)
Electrical downtilt (°)	2~12		2~10			
Sidelobe suppression (dB) (First sidelobe above main beam)	Typically: 2°...7°...12° 17...16...15		Typically: 2°...6°...10° 16...15...14			
VSWR	<1.5					
Isolation: intra-system (dB)	≥25					
Isolation: inter-system (dB)	≥25					
Intermodulation IM3 (2x43dBm carrier)	≤-150dBc					
Impedance (Ω)	50					
Max. power per input (W) @50°C	400		200			
RET Model	TRCU-TQ10P2V01 (Replaceable, Included)					
RET Protocol	AISG 2.0 SRET					
Lightning protection	DC Ground					

Mechanical specifications

Connector	12x4.3-10 Female
Connector position	Bottom
Heightxwidthxdepth (mm)	1450x446x165
Packing size (mm)	1850x540x265
Antenna weight (kg)	50
Installation kit weight (kg)	5.4
Packing weight (kg)	60
Wind load (N,at 150km/h)	728/184/813
Frontal/Lateral/Rearside	
Max. wind velocity (km/h)	216
Radome material	Fiberglass
Radome color	Gray
Mechanical tilt (°)	0~15
Operating temperature (°C)	-40~60
Mounting hardware (mm)	Φ50~Φ115

