

**XXXPol 698~960MHz/1710~2690MHzx2/1710~2690MHzx2 65°/65°/Dual-beam 33° 14.8/17/19.1dBi  
2°~10°/2°~10°/2°~10° Integrated RCU (Remote Control Unit) Antenna**

Electrical specifications						
Frequency Range(MHz)	698~960		1710~2690x2		1710~2690x2	
	698~824	824~960	1710~2200	2200~2690	1710~2200	2200~2690
Polarization	±45°					
Gain (dBi)	14.4	14.8	16.5	17	18.7	19.1
Horizontal 3dB beamwidth (°)	68	65	65	62	42	33
Vertical 3dB beamwidth (°)	17.4	14.8	7.8	6.4	6.7	5.3
Front-to-back ratio (dB)	≥25		≥25		≥25	
Cross-polar ratio (dB)	Typ.≥15(±60°≥8)		Typ.≥15(±60°≥8)		≥15(Main direction)	
Electrical downtilt (°)	2~10		2~10		2~10	
Sidelobe suppression (dB) (First sidelobe above main beam)	2°...6°...10° 16...15...14		2°...6°...10° 17...16...15		2°...6°...10° 16...15...14	
VSWR	<1.5					
Isolation: intra-system (dB)	≥25					
Isolation: inter-system (dB)	≥30					
Intermodulation IM3 (2x43dBm carrier)	≤-150dBc					
Impedance (Ω)	50					
Max. power per input (W) @50°C	400		200		200	
RET Model	TY-RCUB20-T2 (Internal)					
RET Protocol	AISG 2.0 SRET					
Lightning protection	Dc Ground					

**Mechanical specifications**

Connector	10x7/16DIN-Female
Connector position	Bottom
Heightxwidthxdepth (mm)	2680x400x150
Packing size (mm)	3035x490x265
Antenna weight (kg)	43
Installation kit weight (kg)	4.75
Packing weight (kg)	58.8
Wind load (N,at 150km/h) Frontal/Lateral/Rearside	1406/560/1572
Max. wind velocity (km/h)	216
Radome material	Fiberglass
Radome color	Gray
Mechanical tilt (°)	0~5
Operating temperature (°C)	-40~60
Mounting hardware (mm)	Φ50~Φ115

