

XXPol 1710~2690MHz×2 65° 18.2dBi 2°~12° Integrated and replaceable RCU (Remote Control Unit) Antenna

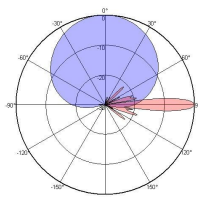
Electrical Specifications				
Frequency range (MHz)	Y1/Y2-1710~2690			
	1710~1990	1920~2200	2200~2490	2490~2690
Polarization	±45°			
Gain at mid tilt (dBi)	17.2	17.6	17.9	18.2
Gain over all tilts (dBi)	17.0±0.5	17.4±0.5	17.7±0.5	18.0±0.5
Horizontal 3dB beamwidth (°)	67±5	65±5	62±5	58±5
Vertical 3dB beamwidth (°)	7.2±0.4	6.6±0.2	5.8±0.3	5.2±0.4
Front to back ratio(dB) Total power, 180°	>26	>27	>27	>26
Cross polar ratio (dB) (at Boresight)	>21	>21	>21	>19
Electrical downtilt (°)	2~12			
Sidelobe suppression (dB) (First sidelobe above main beam)	>17	>17	>16	>16
VSWR	<1.5			
Isolation: intra-system (dB)	≥28			
Isolation: inter-system (dB)	≥30			
Intermodulation IM3 (2×43dBm carrier)	≤-153 dBc			
Impedance (Ω)	50			
Max. power per input (W) @50°C	250			
Lightning protection	Dc Ground			

Mechanical Specifications

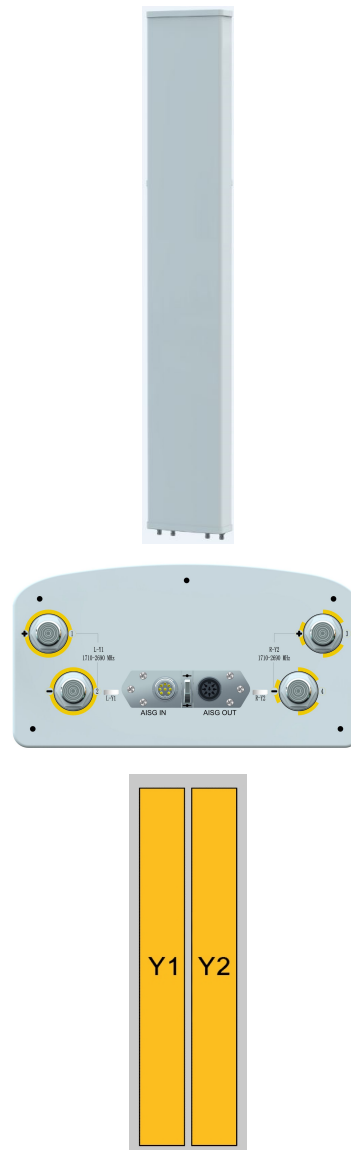
Connector	4×4.3-10-Female
Connector position	Bottom
Height × width × depth (mm)	1360×270×140
Packing size (mm)	1645×335×195
Antenna weight (kg)	12.5
Installation kit weight (kg)	4.7
Packing weight (kg)	20.5
Wind load (N,at 150km/h) Frontal/Lateral/Maximum	310/105/425
Max. wind velocity (km/h)	250
Radome material	Fiberglass
Radome color	Gray
Mechanical tilt (°)	0~15
Operating temperature (°C)	-50~65
Mounting hardware (mm)	Φ50~Φ115

Integrated RET Properties

RET model	RET23-TY130D
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

Antenna Pattern Sample For Reference


1710~2690 MHz



Ant Array	RET Unique ID
Y1	TY00000.....Y1
Y2	TY00000.....Y2