

Narrow beamwidth 1

Model: HX-T301A

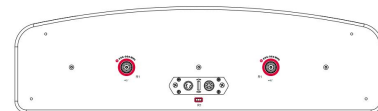


ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	R (698-960)		
	698-824	791-894	880-960
Polarization	$\pm 45^\circ$	$\pm 45^\circ$	$\pm 45^\circ$
Gain at mid tilts (dBi)	17.9	18.1	18.3
Gain over all tilts (dBi)	17.8 ± 1	18 ± 1	18.2 ± 1
Horizontal 3dB beam width($^\circ$)	36 ± 5	33 ± 5	30 ± 5
Vertical 3dB beam width($^\circ$)	9 ± 2	8 ± 1.5	7 ± 1
Front to back ratio(dB)	≥ 22	≥ 23	≥ 25
Cross polar ratio(0°)(dB)	≥ 15	≥ 16	≥ 17
Upper side lobe suppression (dB)	≥ 15	≥ 16	≥ 15
Electrical Downtilt ($^\circ$)	0-10		
Electrical Downtilt accuracy ($^\circ$)	± 1		
Ports VSWR	≤ 1.5		
Isolation (dB)	≥ 26		
Intermodulation IM3 ($2 \times 43\text{dBm}$)	$\leq -153\text{dBc}$		
Impedance (Ω)	50		
Max Input Power (W)	400		

MECHANICAL SPECIFICATIONS

Connector(s)	$2 \times 4.3-10$ female
Connector position	Bottom
Antenna Dimensions (mm)	$2350 \times 630 \times 175$
Packing Dimensions (mm)	$2592 \times 725 \times 267$
Mechanical Downtilt kits ($^\circ$)	0-12
Radome Color	light gray
Radome Material	Fiberglass
Antenna weight (kg)	≤ 52
Packing weight (kg)	≤ 66
Wind loading @ Velocity, frontal	2630 N @ 150km/h
Wind loading @ Velocity, lateral	342 N @ 150km/h
Wind loading @ Velocity, rear	3041 N @ 150km/h
Wind Speed,maximun	200 km/h
Operating temperature ($^\circ\text{C}$)	$-40 \sim +60$
Mounting Pipe Diameter (mm)	$\Phi 50 \sim \Phi 115$
RET type	Replaceable Integrated RET



Guangdong HOSENC Communication Technology Co., Ltd®

Address: No. 100, South Sanshui Avenue, Baini Town, Sanshui District, Foshan City, Guangdong Province

危险 Dangerous:

- 高空作业时, 操作人员一定要系好安全带, 戴好安全帽。
When working high above the ground, the operator must wear safety belts and helmet.
- 请穿橡胶底和橡胶鞋的鞋子, 请穿长袖衬衫和橡胶手套。
Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.
- 请勿在雷雨、大风天气或者所在区域有闪电或者雷声时安装, 请勿使用金属梯子。
Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.
- 请勿安装在电源线附近, 电源线、电话线和拉线外皮潮湿, 任何导线都不能入网中心。
Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrify you.

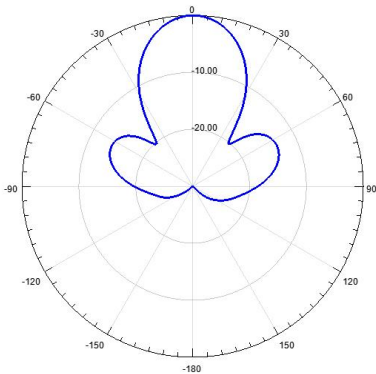
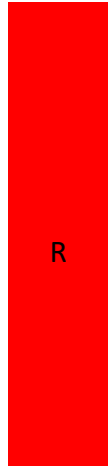
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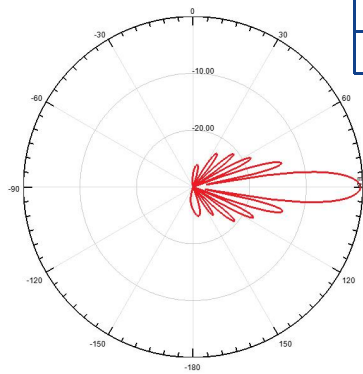


Integrated RET Properties

RET type	Replaceable Integrated RET
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 x 8 Pin circle connector according To IEC 60130-9 And AISG. Daisy chain in: Male, Daisychain out :Female Pin1:12V; Pin3:RS485B; Pin5:RS485A; Pin6:10-30V; Pin7:GND; Pin2 & Pin4 & Pin8:N/C



H Pattern



E Pattern

Ant Array	RET Unique ID
R	HXT301A0N25K00001R1

http://www.hosenc.com/page109?product_id=74



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