

Medium X [L,L,H,H,H,H]

Model: HX-T401B

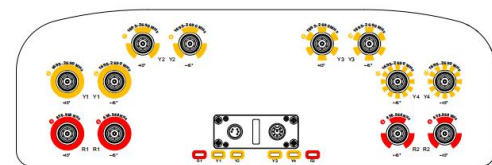
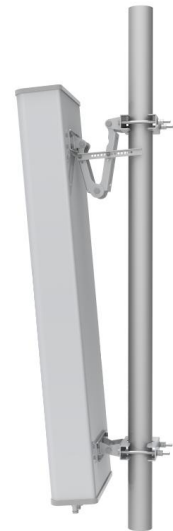


ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	R1/R2 (698-960)			Y1/Y2/Y3/Y4 (1695-2690)			
	698-824	791-894	880-960	1695-1990	1920-2180	2300-2400	2490-2690
Polarization	±45°						
Gain at mid tilts (dBi)	14.3	14.6	14.9	16.9	17.1	17.3	17.6
Gain over all tilts (dBi)	14.2±0.6	14.5±0.6	14.8±0.6	16.8±0.6	17±0.6	17.2±0.6	17.5±0.6
Horizontal 3dB beam width(°)	68±6	65±6	63±6	66±6	65±6	63±6	60±6
Vertical 3dB beam width(°)	10±2	9.5±1.5	9±1	6.5±1	6±1	5.5±1	5.3±1
Front to back ratio(dB)	≥22	≥23	≥25	≥24	≥24	≥25	≥25
Cross polar ratio(0°)(dB)	≥15	≥16	≥17	≥15	≥16	≥17	≥18
Upper side lobe suppression (dB)	≥15	≥16	≥15	≥15	≥16	≥16	≥15
Electrical Downtilt (°)	2-12						
Electrical Downtilt accuracy (°)	±1						
Ports VSWR	≤1.5						
Isolation: intra-system (dB)	≥25						
Isolation: inter-system (dB)	≥25						
Intermodulation IM3 (2×43dBm)	≤-153dBc						
Impedance (Ω)	50						
Max Input Power (W)	1200						

MECHANICAL SPECIFICATIONS

Connector(s)	12×4.3-10 female
Connector position	Bottom
Antenna Dimensions (mm)	2190×500×158
Packing Dimensions (mm)	2455×575×235
Mechanical Downtilt kits (°)	0-12
Radome Color	light gray
Radome Material	Fiberglass
Antenna weight (kg)	≤35
Packing weight (kg)	≤45
Wind loading @ Velocity, frontal	2142 N @ 150km/h
Wind loading @ Velocity, lateral	293 N @ 150km/h
Wind loading @ Velocity, rear	2320 N @ 150km/h
Wind Speed,maximun	200 km/h
Operating temperature (°C)	-40~+60
Mounting Pipe Diameter (mm)	Φ50~Φ115



Guangdong HOSENC Communication Technology Co., Ltd®

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

危險 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.
- 请穿鞋胶底和橡胶鞋的鞋子，请穿长袖衬衫和橡胶手套的防护服。
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作业，请勿进入该区域。Do not use metal ladder in the area. Do not use metal ladder.
- 请勿安装在电源线附近。电源线、电话线、电视线和拉线外露情况，任何导线都不能接入设备中。
Do not install near power lines. Power lines, telephone lines, and gas wires look the same. Assume any wire or line can electrocute you.

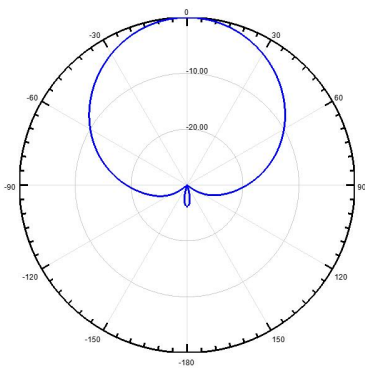
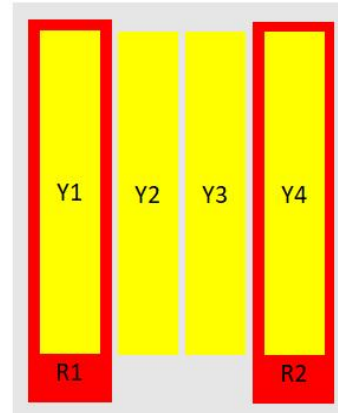
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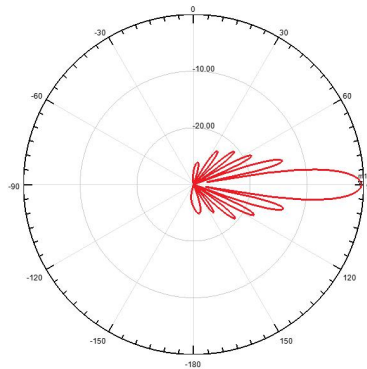


Integrated RET Properties

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, Daisy chain 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
R1	HXT401B0N25K00001R1
R2	HXT401B0N25K00001R2
Y1	HXT401B0N25K00001Y1
Y2	HXT401B0N25K00001Y2
Y3	HXT401B0N25K00001Y3
Y4	HXT401B0N25K00001Y4

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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作业，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、电话线和拉线外露情况，任何导线都不能加入同一系统中。
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