

深圳市兴宏达科技有限公司

2400-2500MHz 17dBi 双极化板状天线

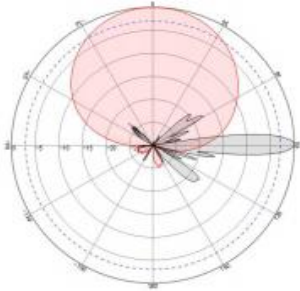
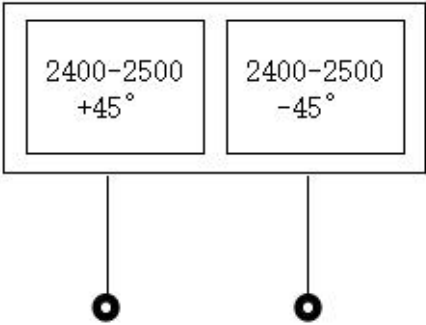
电气指标 Electrical index

型号 (model)	XHD24-17D65N02
工作频段 Frequency Range (MHz)	2400-2500
极化方式 Polarization (°)	±45°
阻抗 Impedance (Ω)	50
驻波比 VSWR (dB)	≤1.5
增益 Gain(dBi)	17
平均功率容限 Max. Power Per Port (W)	200
隔离度 Isolation Port to Port (dB)	≥25
水平面波束宽度 Horizontal 3dB beamwidth (°)	65±5
垂直面波束宽度 Vertical 3dB beamwidth (°)	7±3
三阶互调 Intermodulation IM3 (dBm, @2×43dBm)	≤-107
交叉极化比 Cross Polar Ratio (dB)	≥15
交叉极化比 Cross Polar Ratio (dB, ±60°)	≥8
前后比 Front to Back Ratio ((dB, 180° ±30°)	≥28
上旁瓣抑制 Upper Sidelobe Suppression(dB)	≤-15
预设电下倾角 Preset power down Angle (°)	0
雷电保护 Lightning Protection	直流接地 DC Grounded

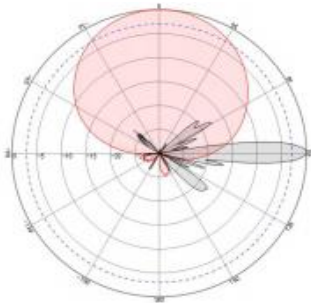


机械指标 Mechanical index

接口类型 Connector Type	2*N-Female
天线尺寸 Antenna Dimensions (mm)	1000*160*80
包装尺寸 Packing Dimensions (mm)	1050*215*150
天线重量 Weight (kg)	5.8
天线罩材质 Radome	UPVC
安装方式 Installation mode	抱杆安装 Pole mounting
抱杆尺寸 Boom size (mm)	○30-50
极限风速 Max. Wind velocity (km/h)	200
环境温度 Temperature(° C)	-40~+70



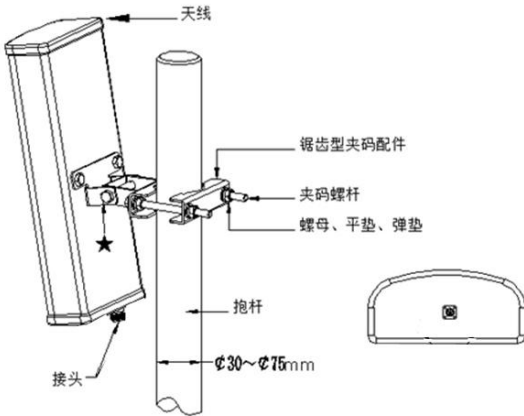
2400-2500MHz



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安装配件/Mounting fittings		标配/Standard configuration: 安装夹码（单夹码）Mounting clip code (Single clip code)	
		选配/assorting: 馈线（馈线长度可按需定制）Feeder (Feeder length can be customized)	
1. 安装示意图/Installation diagram		2. 安装说明/Installation Instructions	
		1. 安装天线前，夹码应预装在天线上(扭矩 18N.M)。2. 将夹码安装到抱杆上，拧紧上/下夹码所有紧固螺栓（扭矩 25N.M）。(The clip code should be pre-installed on the antenna before installation (torque 18N.M). 2. Install the clamp code on the pole and tighten all fastening bolts on the upper/lower clamp code (torque 25N.M))	
		2. 对于需要下倾角度的场景可调节带☆处的螺丝来控制天线的下倾角 (For scenarios requiring downdip Angle, the screw at the ☆ can be adjusted to control the downdip Angle of the antenna)	
		3. 调整完成后，再拧紧所有铰链螺栓(扭矩 25N.M)。 (After adjustment, tighten all hinge bolts (torque 25N.M))	
		注意事项/Matters needing attention:	
		1. 天线不能倒置安装。The antenna cannot be installed upside down.	
		2. 所有紧固件螺栓需拧牢固。All fastener bolts must be firmly screwed.	
		接头与馈线的安装说明/Installation instructions for connectors and feeders:	
		一、选择对应的馈线射频接头拧到天线的射频接头上(扭矩 25N.M) 完成后需采用防水胶泥，防水胶布做好防水处理 (Select a feeder RF connector and screw it to the antenna RF connector (torque 25N.M). After the connector is complete, waterproof it with waterproof mud and waterproof tape)	
3. 装箱清单/Packing list			
序号 Serial number	名称/name	数量	备注
1	天线体/Antenna body	1	/
2	安装夹码/Mounting clamp code	2	/
3	规格书/specification	1	/
4	防护材料/Protective material	2	/