



Electrical specifications

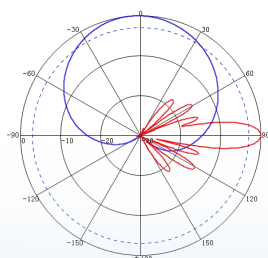
Frequency Range (MHz)	820-960	
	820-880	880-960
Polarization	± 45°	
Gain (dBi)	16	
Electrical Downtilt (°)	0-10	
Horizontal Power Beam Width (°)	65±5	
Vertical power beam width (°)	≥9	
1st Upper Sidelobe Suppression (dB)	≥15	
Front-to-Back Ratio (dB)	≥25	
Cross-Polar Discrimination (dB)	≥15@±30° (≥10@±30~60°)	
Isolation (dB)	≥28	
Impedance (Ω)	50	
VSWR	≤1.4	
Intermodulation IM3 (2×43dBm carrier)	≤-110dBm	
Maximum Power(W)	250	
Ground Protection	DC Grounding	

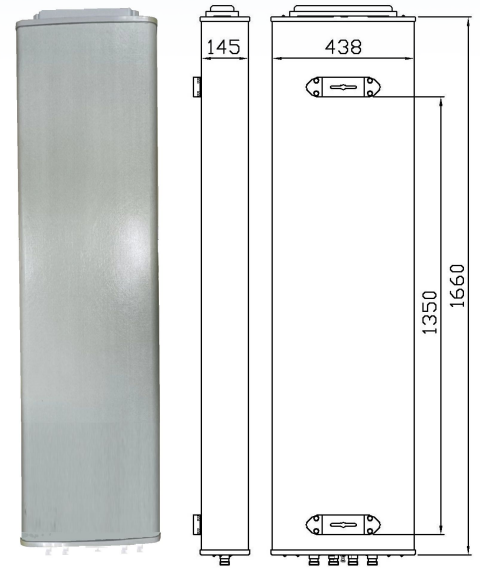
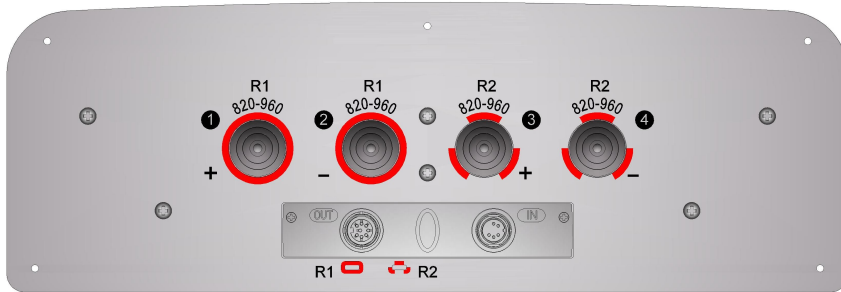
Mechanical specifications

Connector	4*7/16DIN Female
Connector position	Bottom
Height/width/depth (mm)	1660*438*145
Packing size (mm)	1920*510*230
Weight (kg)	19.5
Bracket Weight (kg)	4
Radome material and color	Fiberglass/Gray
Mechanical tilt (°)	0-12
Operating temperature(°C)	-40~+60
Rated wind velocity (m/s)	60
Suitable pole diameter (mm)	Φ 50-Φ 115
Mounting kit	JM-900DZF
Electric regulation mode	Integrated RCU (AISG2.0)
RCU mode	RCU-P2D-RAE
Perception module Support	Remote Antenna Extension sensor module(Pluggable)

Pattern

820-960MHz: ±45°





Installation Sketch

Step1: ① Install the M10 bolt and u-shape clamp on the upper and lower brackets of the antenna and pre-tighten the M10 nuts.
② Fastening the brackets to the back of antenna with M10 bolt , torquing the nut to 25N·m.

Step2 : Tightening the scale to the upper bracket with the M6 nut, fix the scale to 0 degree position, torquing the nut to 8N·m. (Above steps must be completed under the tower before installing the antenna).

Step3: Installing the antenna vertically to the support pole using M10 bolt, torquing the nut to 25N·m.

Step4: Loosing the scale fixing nut on the upper bracket, adjusting the mechanical downtilt angle of antenna to the suitable angle based on the scale display, then tightening the scale and all the nuts on the bracket.