2T2R Panel Antenna 698-3800MHz 12/14dBi N Female

Main Features:
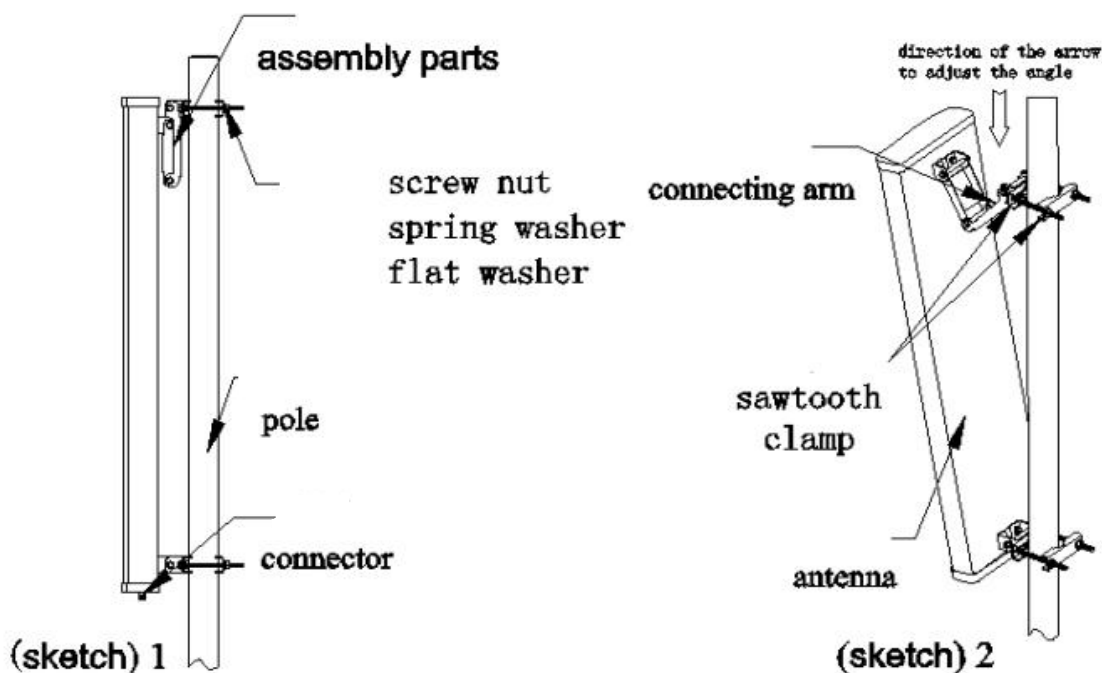
- High gain
- Full day working
- Wireless communication and data transmission system

Electrical Specifications			
Model	ST2P-7038-D1112L65		
Frequency range (MHz)	698-960	1710-2700	3300-4000
Polarization	±45˚		
Gain（dBi）	12±1	12±1	13±1
Horizontal Beamwidth (⁰)	25±15⁰		
Vertical Beamwidth ()	15±15⁰	15±15⁰	15±15⁰
Front-to-back ratio（dB）	≥25		
Input Impedance（Ω）	50		
VSWR	≤1.8		
3rd Order IMD(dBm)	≤ -107dBm（2@37dBm）		
Maximum input power(W)	100		
Lightning protection	DC Ground		
Mechanical Specifications			
Input connector type	2*N Female		
Dimensions (mm)	456*450*145		
Antenna weight (kg)	4.0		
Radome material	UPVC		
Operational Humidity(％)	10-95		
Mechanical tilt（°）	0～15		
Operating temperature（°c）	-30～65		
Rated Wind Velocity（m/s）	36.9		
Mounting hardware（mm）	∅35～∅75		

Antenna Installation Instructions

一、   Install as the pictures below

(sketch) 1

(sketch) 2

Installation Steps

Please following the steps below: place the antenna on the pole, and adjust the inclination of the antenna, then fasten the screw to the screw nut. The final structure is just like the pictures above.

1、Unscrew and take the screw nuts, the spring washer and flat washer of the sawtooth clamps on the upper and lower sides of the antenna down,then remove the outer sawtooth clamp.Put the end of the antenna with connectors downwards.Then attach the sawtooth clamps to the pole whose outer diameter is ϕ 35~ ϕ 90mm ,and place the M10 screws through the sawtooth clamps.Lastly, put on the flat washer and spring washer and screw the nuts tightly afterwards.

2、Take down the connector cover of the antenna,connect the antenna connectors and make sure that you have sealed the connections well.

3、Loosen the bolts that connect the two struts and adjust the inclination of the antenna to the proper position to receive the best signal. At last screw all the nuts tightly.