TX900-PB-1313(NK) Product Data Sheet

915MHz RFID Panel Directional Antenna

N Female Connector



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I. Product Introduction

TX900-PB-1313(NK) is a 915MHz RFID panel directional antenna. Size of the antenna is 132mm*132mm*18mm. With a N female connector, it can be applied to such devices with frequency of 915MHz as wireless module and network devices.

II. Specification and Parameters

Physical Parameters	
Frequency	915MHz
Bandwidth	850MHz-960MHz
Gain	8dBi
SWR	≤1.3
Polarization	Circular
Radiation Direction	Directional
Input Impedance	50Ω
Power Capacity	50W
HPBW	Hor:100 Ver:100
Axial Ratio	≤2
Front-Back Ratio	≥8
Lightning Protection	DC Ground
Other Parameters	
Size	132mm*132mm*18mm
Total Weight	350g
Radome Material	PC
Material	Aluminum
IP Grade	IP65
Connector	N Female
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

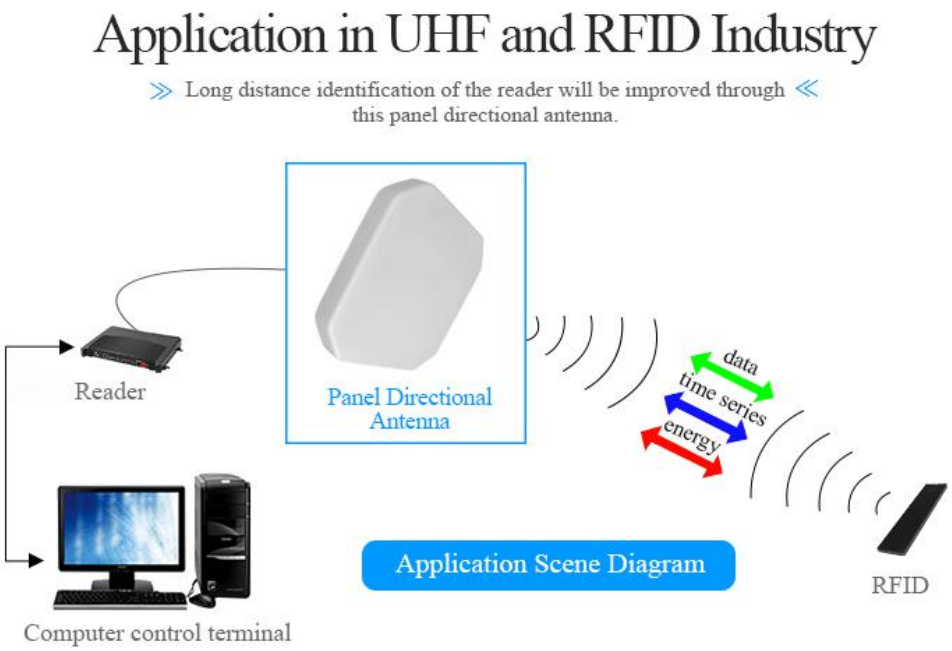


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III.Characteristics

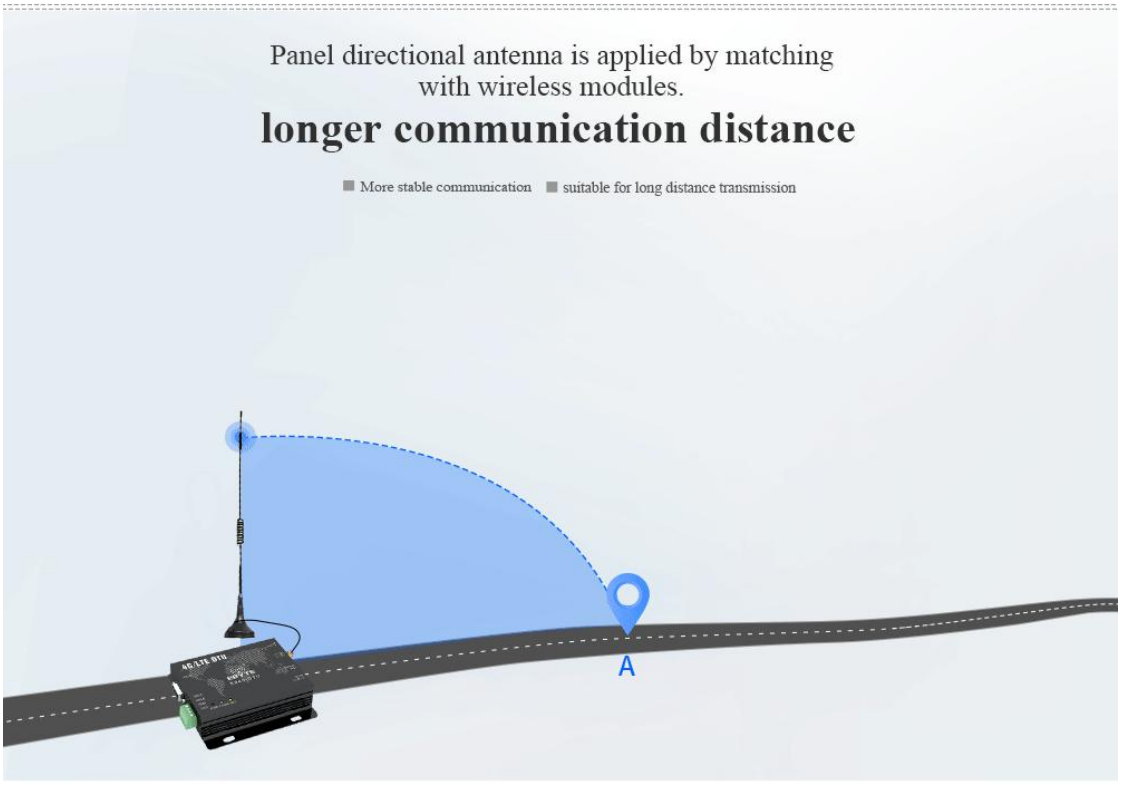
1. Improve the distance recognition of RFID reader



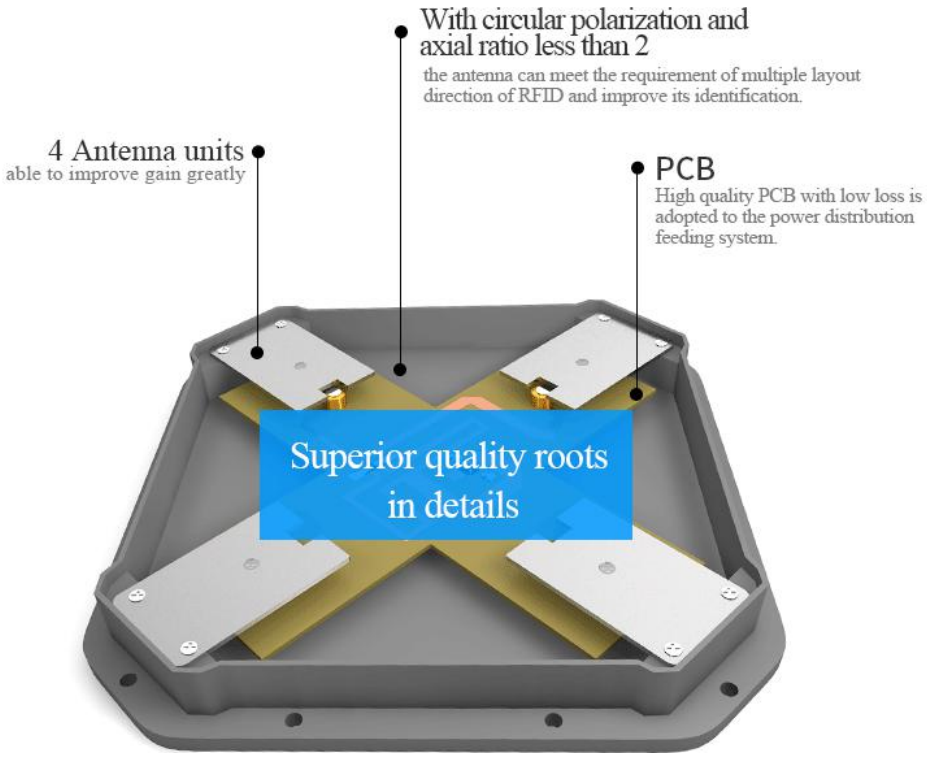
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2. Longer communication distance and more stable signal



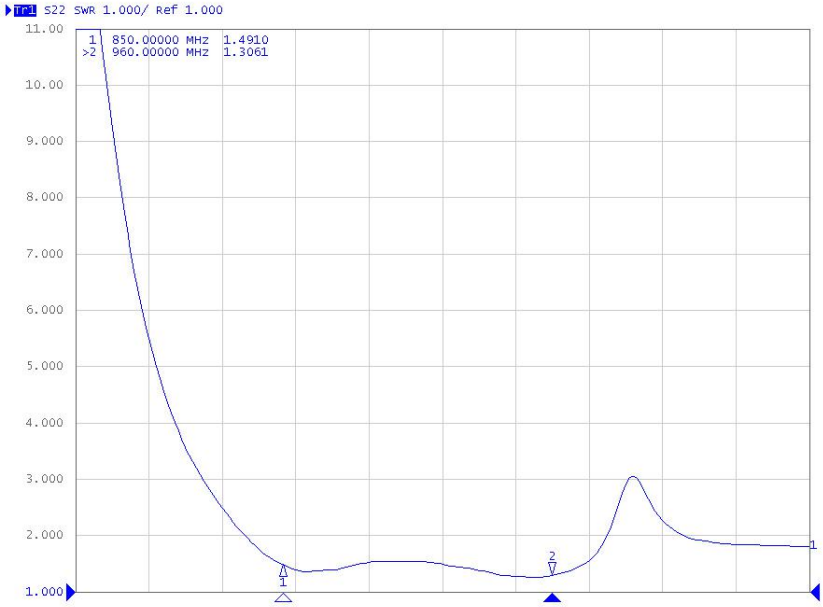
3. Four groups of antenna units greatly improve the gain

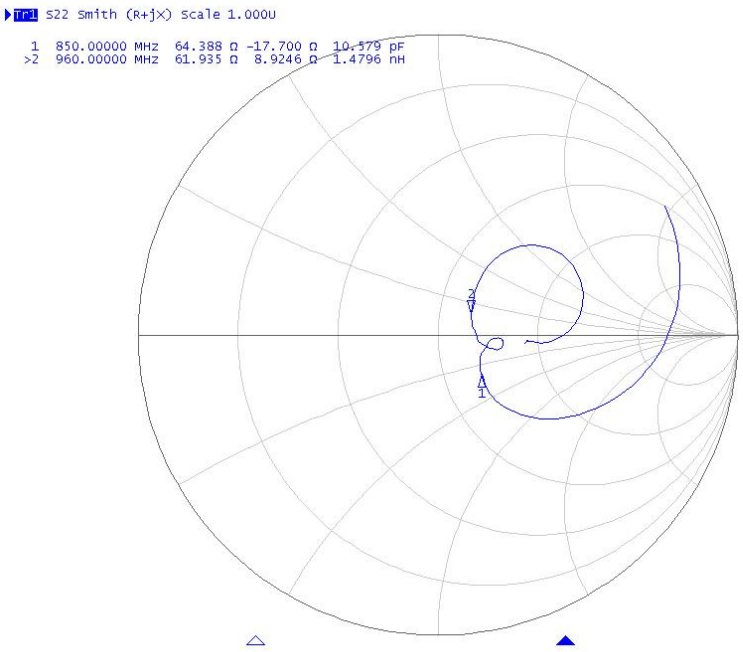


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IV. Testing





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V. FAQ

- Antenna frequency shall be matched with that of the wireless devices, or the communication will be affected;
- Diffraction performance will be better with lower communication frequency and longer wave;
- Communication distance will be shorter if there is any straight-line barrier;
- Please be noted of the antenna radiation direction. Incorrect direction by installation will result in short communication distance;
- As radio wave may be absorbed by the ground, result will be affected if tested close to ground. It is suggested to test at a higher place;
- As radio wave can be highly absorbed by the ocean water, result will be affected if tested close to the sea;
- Signal will be seriously weakened if the antenna is put close to metal or inside metal shell;
- Lower impedance matching of antenna and communication devices will result in bad communication.

About us

Technical support: support@cdebyte.com

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Thank you for using Ebyte products! Please contact us with any questions or suggestions: info@cdebyte.com

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