TX900-PB-2323 Product Data Sheet

915MHz RFID Panel Directional Antenna

SMA Male Connector



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I. Product Introduction

TX900-PB-2323 is a 915MHz RFID panel directional antenna. Size of the antenna is 231mm*231mm*21mm. With a SMA Male connector(SMA inner thread and inner needle), it can be applied to such devices with frequency of 915MHz as wireless module, network devices.

II. Specification and Parameters

Physical Parameters	
Frequency	915MHz
Bandwidth	850MHz-960MHz
Gain	10dBi
SWR	≤1.3
Polarization	Circular
Radiation Direction	Directional
Input Impedance	50Ω
Power Capacity	50W
HPBW	Hor:65 Ver:65
Axial Ratio	≤2
Front-Back Ratio	≥15
Lightning Protection	DC Ground
Other Parameters	
Size	231mm*231mm*21mm
Total Weight	400g
Material	F4B
Feeder Length	1m
Mounting Hole Size	4*φ4-198*198mm
Connector	SMA Male
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

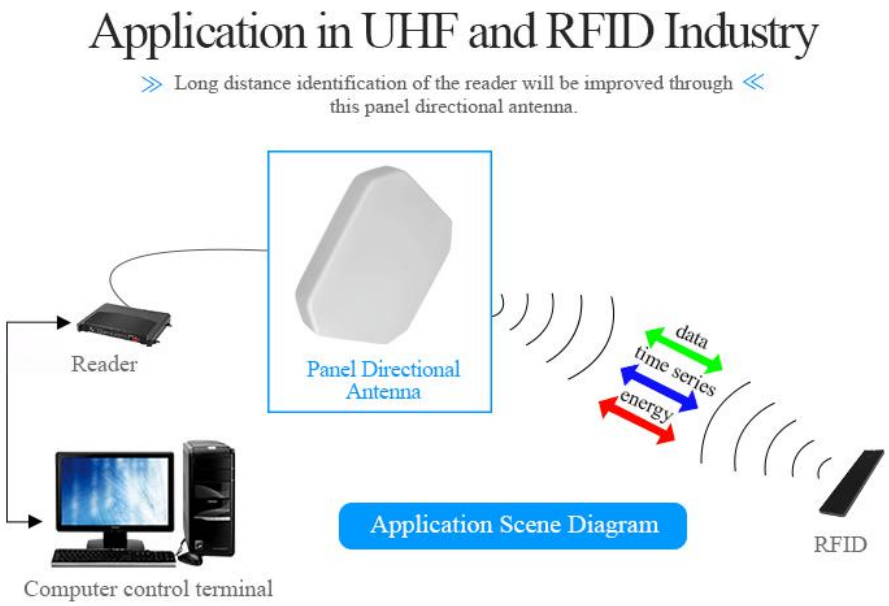


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III.Characteristics

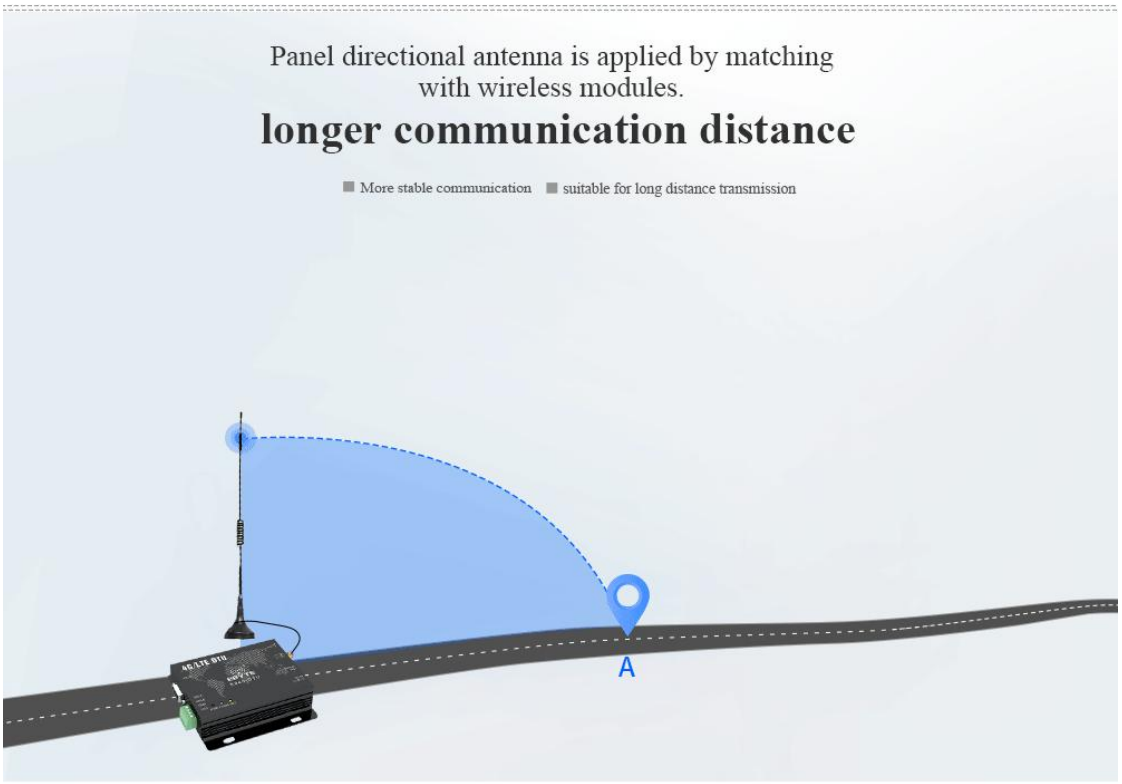
1. Improve the distance recognition of RFID reader



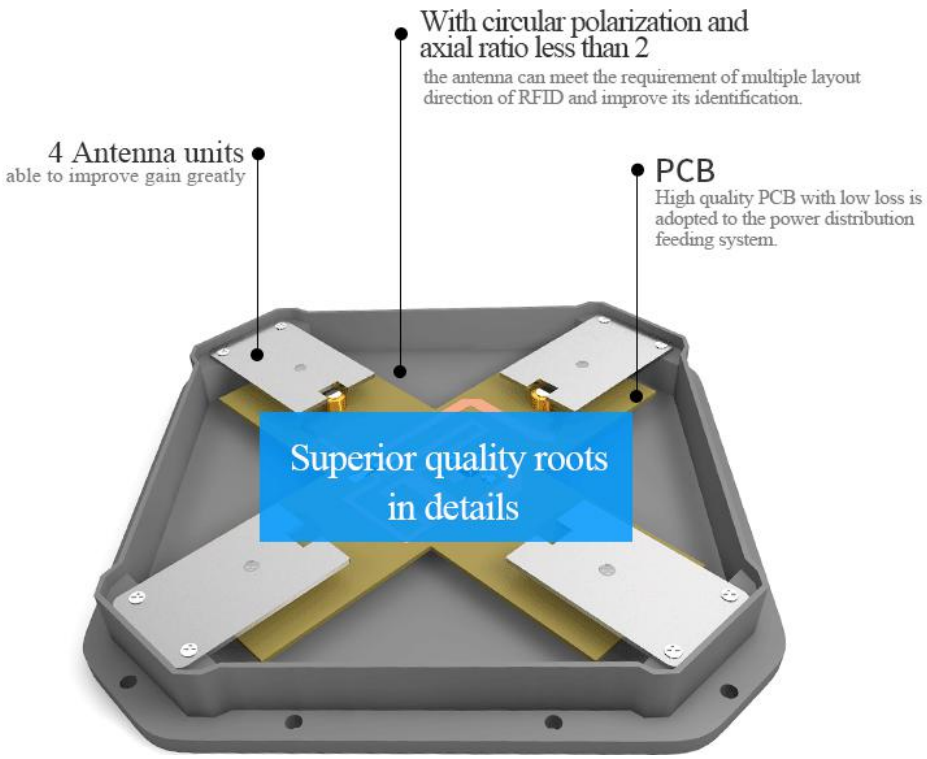
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2. Longer communication distance and more stable signal



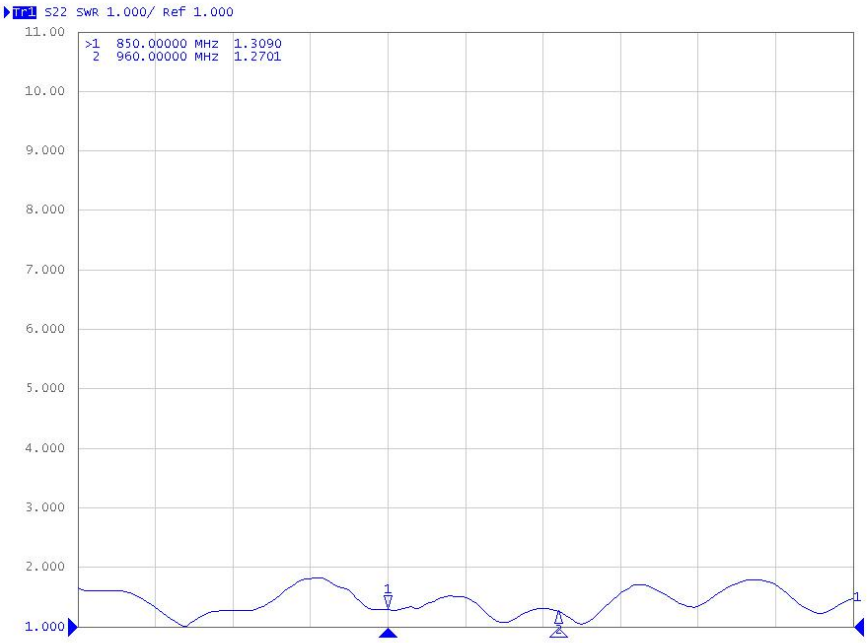
3. Four groups of antenna units greatly improve the gain

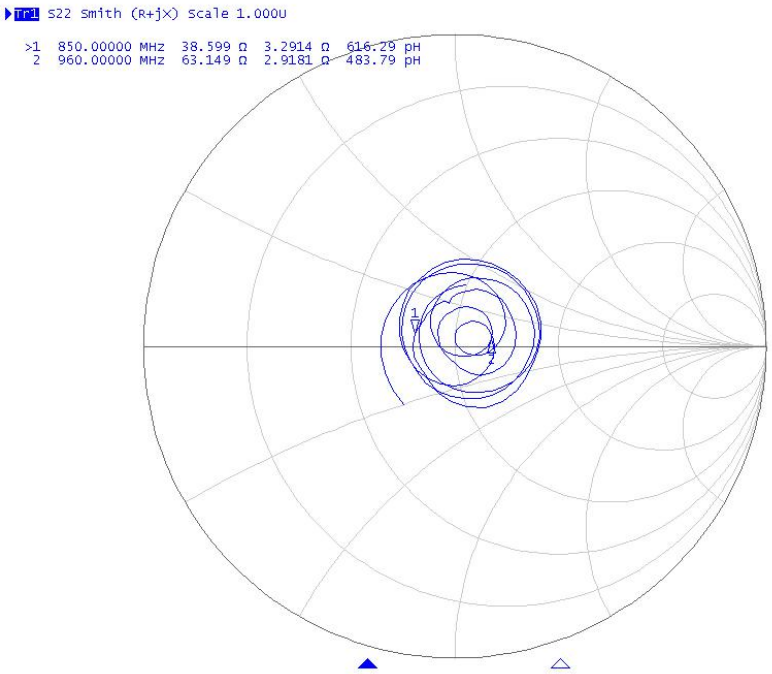


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IV. Testing





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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

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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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