

HF 3D Gate Device



Model: RR-CH-TD6960

ITEM	VALUE
Dimensions (HxWxD) (mm)	1700 x 570 x30(60)
Housing	ABS shell
Color	Light gray
Weight (1 panel)	30kg

ITEM	VALUE
Power supply (V/Hz)	240 / 110
Current (mA)	160
Alarm	Light and buzzer
Moving direction judgment	Accurate
Operating temperature (°C)	-25 ~ +60
storage temperature (°C)	-40 ~ +85

GENERAL DESCRIPTION

RoyalRay “RR-CH-TD6960” is a high performance HF 3D Gate Device. Designed upon fully self-intellectual property, it supports fast tag anti-collision operation with high identification rate, 2 line infrared motion sensor with intelligent personnel movement direction determination and counting, EAS/AFI security surveillance, multiple gate synchronization, RS232/485 and TCPIP interface, remote configuration and management. It is an ideal choice for various HF RFID application systems such as Library Anti-theft, Open Access Control, Conference Attendance, Process Control and Logistics etc.

FEATURES

- Self-intellectual property;
- Support mainstream ISO15693 protocol tag (TI, PHILIPS, ST, INFINEON, FUJITSU, EM...) omni-directional operation;
- Advanced anti-collision algorithm, high identification rate;
- Typical Gate width up to 90cm*;
- 2 line infrared motion sensor with intelligent movement direction determination and personnel counting;
- Low power dissipation design with RF output power over 4Watt;
- Support single gate standalone or multiple gate synchronized work mode;
- Configuration various alarm modes;
- Support EAS/AFI security surveillance;
- Support RS232/RS485 and TCP/IP interface;
- Support remote configuration and management;
- Support further development and customization;
- Support plug-in camera, large screen display/ television to realize control and management in a more intuitive way.

**Effective gate width depends on tag and working environment.*

COMPONENTS

RR-CH-TD6960 is designed upon advanced panel-based concept. Each panel is an integrated system and comprises omni-directional antenna array, high RF power reader, controller, infrared motion sensor unit, power splitter, multiplexer, power supply and communication interface etc. Each panel can operate in standalone mode and a pair of panels constructs a gate device. Multiple panels (up to 8 panels) can work in synchronized mode to realize a multiple gate device.

Other accessories include AC power cable, data synchronization cable, RF synchronization cable and RS232 serial communication cable.

CHARACTERISTICS

Page 2, Total 3

	ITEM	SYMBOL	TYPICAL VALUE	UNIT
Technical	Frequency	Freq	13.56M±7k	Hz
	Input Voltage	Volt	110~240 (50/60Hz)	V
	Power Dissipation	P	<20	W
	RF Output Power	Prf	>4	W
	Infrared Sensor	IR	2	pairs
	Gate Width	WD	90	cm
Environment	Work Temperature	Tw	-25~60	°C
	Storage Temperature	Ts	-40~85	°C
	Relative Humidity	RH	25%~95%	
Physics	Size	Size	170 x 57 x 30(60)	HxWxT
	Weight (Single Panel)	Weight	30	Kg
	Color	Color	Light gray	
	Material	Mat	ABS	

Remark:

1. Specifications are subject to change, please pay attention to our latest one.
2. Shenzhen RoyalRay Science and Technology Co., Ltd. reserves the right to the final interpretation of the above terms.