

RFGate RUW-F78 Forklift Collision Warning System

Product introduction

RFGate RUW-F78 Forklift Collision Warning System is a ranging product based on UWB technology. By measuring the distance with other equipments, such as other RUW-F78 or Tag, it can emit audio and visual alerts or output information externally when the distance data is below the threshold. The ranging accuracy can reach up to 10cm.



Product Specifications

Product parameters	Description	
Electrical parameters	Power : DC 12V input	
	Power consumption : Less than 12W	
Size	Diameter 117mm, height 150mm	
Indicator light	Alarm indicator	
Speakers	The maximum alarm volume is 100 decibels or higher	
Dip switch	Set alarm parameters	
Potentiometer	Adjust speaker volume	
Working mode	TOF Ranging	
Ranging accuracy	±10cm	
Ranging distance	80m (No occlusion, no interference)	
Interface	DC female plug	DC 12v input;

	RS485	Configuration , data exchange, can be suspended
	USB	Upgrade the firmware and change the prompt tone
UWB parameters	Working band	3.77GHz~4.42GHz (channel 2)
	Physical speed	6.8Mbps
	Output power (25°C)	-41.3dBm/MHz
	Channel bandwidth	500MHz
	Antenna gain	3dBi
	Protocol Standards	IEEE802.15.4-2011
Capacity	Single area 50+ devices	
Protection capability	There are speaker holes and power cord holes on the bottom surface, which are not waterproof, The rest of the surface is waterproof ;	
Environmental specifications	Temperature	-20~65°C
	Humidity	0~50

RFGate RUW-FB07 Forklift Collision Warning System

Product introduction

RFGate RUW-FB07 Forklift Collision Warning System is a product designed by RFGate This Tag based on DW1000 chip for high precision location and ranging, and has the characteristics of high performance, low power consumption, long communication distance and high precision location and ranging.



Product Specifications

Product parameters	Description	
Working mode	location	TOF three-point location mode
		TDOA location
		Heartbeat pattern
	Ranging	TOF Ranging
Ranging accuracy	±10cm	
Ranging distance	80m	No occlusion, no interference
Fully charged use time	TOF three-point location mode	22 days
	TOF Ranging	40 days

Battery capacity	1000mAh	
Charging voltage	DC 5V	
Charging port	4pin magnetic port	
Interactive	Buzzers, vibrators, indicator lights, keys	
Product Dimensions	57mm*90mm*7mm	
Environmental Specifications	Temperature	-20 ~ 60 °C
	Humidity	10%~90% condensation free
UWB parameters	Working band	3.77GHz~4.42GHz (channel 2)
	Physical speed	6.8Mbps
	transmit power (25°C)	-41.3dBm/MHz
	Channel bandwidth	500MHz
	Antenna gain	3dBi
	Protocol Standards	IEEE802.15.4-2011

Deliverables

Name	Specification brief	Quantity
RUW-FB07	Card-style locator tag	1
Magnetic Charging Cable	4pin Magnetic Charging Cable, 800mm	1