

# KWU-200AR UWB Anchor with Relay

## Product Summary

KWU-200AR is the distance anchor based on UWB designed by Formosa Wireless Systems Corp. KWU-200AR is composed by UWB RF module, which can do high precise location work with the tag named KWU-101T produced by FWS. The best positioning accuracy can reach 30cm, is ahead of other UWB location products.



KWU-200AR

## Product Features

- ◆ **High output power**  
The UWB highest out power is -21dBm/MHz, which can be Effective guarantee for UWB coverage °
- ◆ **Installation and maintenance**  
Support 12-24V DC power supply.
- ◆ **UWB**
  - Support TWR/TOF ;
  - Support TDOA.

## Product Spec.

Item	Description	
Description	UWB anchor	
Efective Range	not less than 200m in open fields	
Location Precise	30cm	
Interface	1x DB9 1x UWB SMA 1x UART 1x DC Socket Up to 2x Relay	
UWB RF	Working Band	3.25~4.75GHz ( Channel 1/2/3 )
	RF interface	1 × SMA Jack
	Output power	-21dBm/MHz (Adjustable up to -41dBm/MHz)
	Antena Gain	3dBi
	Sending Rate	110Kbps, 850Kbps, 6.8Mbps
	Channel bandwidth	500MHz
Flash/RAM	64KB / 20KB	
CPU	Cortex M3 MCU	
Dimension ( L×W×H )	122 × 76 × 19 mm	
Weight	73 g	
Input power	DC 12-24 V DC	
Power Comsption	< 2W	
Temperature	Working : -40°C~85°C, Storage : -40°C ~ 90 °C	
Humidity	Working : 0%~90% No condensation	