

KWU-101T Datasheet

Main Features:

- 802.15.4a UWB Tag
- High Power
- Ceramic antenna on board
- Cortex M3 MCU

Product photo



Product Spec

Item	Description
Outline	
Product description	802.15.4a UWB TAG
Standard	802.15.4a
Interface	Micro USB serial port Power Switch
button	Emergency button
Power voltage	5V
Instantaneous power consumption	< 0.6 w
battery	600mAH lithium battery

RF Spec.

Working Band	3.25GHz ~6.75GHz
Physical rate	110 kbps
	850 Kbps
	6.8 Mbps
Output Power(25°C)	-24dBm/MHz (Adjustable)

Software Spec.

Working Mode (TAG)	TDoA
	TWR
Effective distance	> 200 m
Range Precise	< 10cm
Location Frequency	< 1000 Hz
Range Frequency	< 500 Hz
Output mode	UART 115200bps

Physical Spec.

Interface	Micro USB
Power	5V Charge
LED	LED1 green : Working , Twinkle LED2 yellow : Emergency , Twinkle LED1/LED2 : Low power, Twinkle in same frequency
Size(mm)	88.0 x 59.0 x 7.5 mm
Weight (g)	28 g

Environment Spec.

Temperature	Working : -10°C~60°C , -10°C ~ 85°C (PCBA only) Storage : -40°C to 90°C
Humidity	Working : 0%~90% No. condensation Storage : 0%~90% No. condensation
Waterproof and dust proof	IP54
RoHS	Compatible

Antenna Spec.

