

UT-206-H datasheet

WOXU Wireless

Description

UT-206-H is a kind of UWB TAG with centimeter precision developed by WOXU. This tag can be wristband & helmet and other ways to be worn. Support TOF&TDoA.

Main feature:

- 802.15.4a UWB
- High power, in line of sight :300m
- On board antenna built in
- Rechargeable lithium battery
- SOS button

Product picture



UT-206-H front



UT-206-H back

Specification

Item	description		
Outline			
Product name	UT-206-H		
Standard	802.15.4a		
charging interface	Micro-USB		
button	SOS button		
Charging voltage	DC 5V		
Instant power waste	<1W		
Battery capacity	600mAh		
Refresh rate	0.1~20Hz (adjustable)		
LED status	Green LED	UWB working twinkle	
	Three LED	charging	blue light
		Charging is full (shut	Green light

		down chargin.)	
		Battery low power (working)	Red twinkle
		Normal power (working)	Green twinkle

RF (UWB)

Working frequency band	3.25GHz ~4.75GHz(Channel 1/2/3)
Rate	110 Kbps
	850 Kbps
	6.8 Mbps
Output power(25°C)	-13dBm/MHz
channel frequency width	500MHz
antenna gain	0.5 dBi

software

UWB working mode	TDoA
	TOF
UWB effective distance	300 m@6.8Mbps in line of sight
sleep	Smart sleep
warning upload	SoS button

	Low power warning
Warning download	vibration
configuration	UART, CLI

Physical specification

size(mm)	42 × 41 × 20
weight(g)	26.4

Environment

Temperature	working: -20°C ~60°C storage: -30°C~75°C
Humidity	working: 0%~90% without condensation storage: 0%~90% without condensation
Water proof	IP64
RoHs	Compatible