

Datasheet

Product name: UAB-100M

WOXU WIRELESS

Description

UAB-100M is UWB location anchor developed by Nanjing Woxu. UAB-100M is designed mainly for chemical plant. UAB-100M will work together with location TAG and location engine to get high precision location data. The best precision will be 30cm. High power, better performance, high precision.

UAB-100M support wide temperature range:-20~65°C ,supports IP65.

Main futures

- Exib II B T6 Gb
- 802.15.4a UWB
- The average positioning accuracy is 30cm
- High power, the visual ranging is more than 100m
- IP65

Product picture



Specification

Item	Description
Outline	
Model name	UAB-100M
Standard	802.15.4a
Standard	RJ45 10/100M LAN N type RF connector
Input voltage	DC 12V-18V
average power waste	< 5w

Installation	Wall hanging	
LED	PWR	RED, light , working
	UWB	Green, twinkle , UWB working

RF (UWB)

Working frequency	3.25GHz ~6.75GHz (Channel 1/2/3/5)
Physical rate	110 Kbps
	850 Kbps
	6.8 Mbps
Output power (25°C)	-24dBm/MHz
channel frequency width	500MHz

Software

UWB working mode	ToF/TDOA
UWB range in line of sight	100 m@6.8Mbps in line of sight
Configuration	WEB
communication interface	Interface B standard
IP address	Firmed IP

Physical Specification

Size (mm)	240*185*80
Weight (g)	1583

Material	Fire prevention ABS + PC Alloy steel
Environment Specification	
Temperature	Working: -20°C ~65°C Storage : -30°C~80°C
Humidity	working: 0%~90% without condensation storage: 0%~90% without condensation
Waterproof and dustproof	IP65
RoHs	Compatible

WoxuWireless