



WK300 Series

The WK300 Series includes two standard accessories –WTH300 and WKF300– developed by Queclink based on 2.4GHz BLE.

WTH300 is mainly used to measure temperature and humidity in fields such as industrial inspection, civil inspection, machine manufacture, environmental protection and metering, etc.

WKF300 is a key fob mainly used for continuously detecting the on-board status of the driver.

When WK300 Series works with the corresponding Queclink devices such as GV600 LTE Series, collected data and information are transmitted to server via the powerful @Track protocol.

HIGHLIGHTS

- Easy and Low Cost Installation
- Long Standby Time
- Low Power Alarm
- Long Distance Data Transmission
- Embedded Google @Eddystone

WKF300

Key fob

Product Size	2.20”(L) × 1.61”(W) × 0.31”(H) (56 × 41 × 8mm)	
Unit Weight	0.79oz (22.3g)	
Transmission Distance	80m (open area)	
Carrier Frequency	2.4 GHz	
Operating Voltage	2.4V to 3.3V DC	
Operating Temperature	-20°C ~ +60°C	
Sensitivity	-88dBm	
Sampling Period	Once per second	
LED Indicator	Indicates device activation, pairing, or status check	
Transmission Mode	Continuous data broadcast (1000ms to 5000ms) for monitoring the on-board status of the driver; one-time data broadcast for emergency alert	
Battery Life	CR2032 button battery 3 years (press three times per day on average under normal ambient condition with continuous broadcast turned off); 1 year (continuous broadcast every second)	
Low Power Alarm	Indicated in the data sent to the receiver	

WTH300

Temperature and humidity sensor



Product Size	2.78"(L) × 1.50"(W) × 0.70"(H) (70.6 × 38 × 17.8mm)
Unit Weight	1.52oz (43g)
Transmission Distance	Max 100m (open area)
Carrier Frequency	2.4 GHz
Operating Voltage	2.7V to 3.3V DC
Operating Temperature	-40°C ~+70°C
Sensitivity	-40 to +4 dBm
Temperature Measure	Range: -40°C ~70°C Accuracy: 10°C ~50°C , error: ±0.5°C Accuracy: ≤10°C or ≥50°C , error: ±2°C
Humidity Measure	Range: 0%RH~100%RH Accuracy: 0%RH~90%RH, error: ±2.5%RH Accuracy: ≥90%RH, error: ±3.5%RH
Sampling Period	Once per second
Waterproof	IP66
LED Indicator	Indicates pairing or on/off status or low battery alarm
Transmission Mode	Periodic data broadcast (100ms to 10s)
Battery Life	Two FR03 Li-Fe batteries , 1250 mAh, over 3 years lifetime
Low Power Alarm	LED turns to red and Indicated in the data sent to the receiver