

WRF433

Redundant BLE Sensor with RF433 Support for Enhanced Stolen Vehicle Recovery Application

- **IP67 Waterproof**
- **Rechargeable Battery**
- **Covert Installation**



- **9 ~32V DC**
- **BLE 5.2**
- **Compact Size**
- **RF433 Transmission**

Queclink's WRF433 is a compact BLE sensor designed for stolen vehicle recovery. It features BLE 5.2 and RF433 wireless communication, allowing seamless integration with GNSS trackers for dual-layer security. With an IP67 water resistance rating, it can be installed in various locations. In emergencies, it activates long-range RF433 transmission for accurate location tracking, even in challenging signal conditions. Its redundant communication design enhances reliability by ensuring immediate switch-over if one method is obstructed.

Applications

Stolen Vehicle Recovery



Harness



Red	VIN	External DC power input
Black	GND	Power and digital ground
White	IGN/IN1	Ignition detection/nagetive trigger input
Green	OUT	Digital output
Brown	RX	Receive Data
Pink	TX	Transmit Data

General Specifications

Dimensions	75(L) x 39.5 (W) x 20.5(H) mm
Weight	37g
Backup Battery	Li-Polymer, 720mAh
Operating Voltage	9 ~ 32V DC
Waterproof	IP67 compliant
Operating Temperature	-30 °C ~ +70 °C -40 °C ~ +80 °C for storage
BLE	Support BLE 5.2 protocol
Region	EMEA
Certification	Anatel

Connectivity

Model	BLE
Type	2.4GHz

Interfaces

Digital Inputs	1 positive trigger input for ignition detection or 1 nagetive trigger input
Digital Output	1 open drain outputs 150mA max drive current
Power	Power
GND	GND
BLE Antenna	Internal only