



INTRODUCTION

FTW300 is an extremely compact IP68 waterproof 4G wired tracker that delivers high-performance positioning and intelligent control in a minimal size.



 | 47.5*15.5*8.1mm

 | 20g

 | -25°C~70°C

-  Ultra-Compact Design
-  IP68 Waterproof
-  Built-in 3A@60V High-Power DOUT
-  Intelligent Reverse Polarity & Overcurrent Protection
-  Anti-Pseudo Base Station Mode
-  Low Power Consumption (Active $\leq 25\text{mA}$, Sleep $\leq 5\text{mA}$ @12V)
-  Built-in 3-Axis Accelerometer
-  ADC

Passenger Vehicle Covert Tracking



Commercial Vehicle Covert Tracking



Motorcycle Covert Tracking



SPECIFICATIONS

GENERAL

Network	4G Cat.1
Shell Material	ABS+PC(V0)
Operating Voltage	8-90V DC
Water Dust Resistant Level	IP68

WIRELESS

Data Support	SMS,TCP
Operating Band	CA: LTE-FDD:B1/3/5/8 LTE-TDD:B34/38/39/40/41

CONNECTOR

Connector Type	3 Wires（GND/VCC/DOUT）
	4 Wires（GND/VCC/DOUT/AIN）
	Optional
GPS Antenna	Internal
LTE Antenna	Internal
SIM Card	SMT eSIM

ON BOARD

LED	x1(Three-Color LED)
	Blue LED - Network Status
	Green LED - GNSS Status
	Red LED - Power Status
3-Axis Accelerometer	On Board

SIZE AND WEIGHT

Dimensions	47.5*15.5*8.1mm
Weight	20g

POSITIONING

Location Technology	GNSS+LBS+WIFI
GNSS Chip Model	AT6558R
Positioning Antenna	Built-in antenna
Concurrent GNSS	GPS+BDS+Glonass
Position Accuracy	≤10m
Tracking Sensitivity	-160dBm
Cold Start Time (Open Field)	≤35S
Hot Start Time (Open Field)	≤1S
Assisted GPS	Supported

ELECTRICAL

Power Average Consumption	≤5mA 12V (Sleep)
	≤25mA 12V (Active)
Working Temperature	-25℃~70℃
Storage Temperature	-40℃~80℃

Function

Geofence	Supported
Low Battery Alarm	Supported
Power Cut Alarm (Tamper Alarm)	Supported
Blind Area Data Re-upload	Supported (Up to 100 Records Storage)
Cornering Data Re-upload	Supported (Speed-Based Angle Adjustment)
Roaming Control	Supported
Remote Fuel & Power Cut-off	Supported
Motorcycle Fall Alarm	Supported

Optional

ADC	Optional
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