



INTRODUCTION

The FTW500 device supports two-way communication, helping fleet managers improve drivers' driving habits and efficiency. It also supports Bluetooth 5.1, RS485 & one-wire connectivity, and multiple I/O ports, allowing connection to peripherals such as temperature and humidity sensors, fuel consumption sensors, beacons, Bluetooth card readers & printers, and buzzers.



| 88*38*17mm



| -20℃~70℃



| 45g



| 450mAh



Power Cut Alarm



ACC Ignition Detection



Remote Fuel & Power Cut-off



Reserved Multi-channel I/O



Two-way Voice Communication



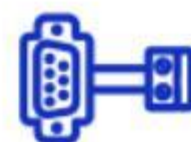
OTA



TTS Voice Broadcast



Bluetooth 5.1



RS485 Serial Communication



One-Wire Communication

Fleet Tracking



Logistics Management



SPECIFICATIONS

GENERAL

Network	4G Cat.1 (+ 2G GSM)
Shell Material	ABS+PC(V0)
Operating Voltage	9-90V DC
Water Dust Resistant Level	IP67

WIRELESS

Data Support	SMS,TCP
Operating Band	Latin
	America:LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B28/B66
	GSM:850/900/1800/1900MHz
	Europe:LTE-FDD:B1/B3/B5/B7/B8/B20/B28
	LTE-TDD:B38/B40/B41
	GSM:850/900/1800/1900MHz
	China & Southeast
	Asia:LTE-FDD:B1/B3/B5/B8
	LTE-TDD:B38/B40/B41

CONNECTOR

Connector Type	4/6/8 Wires (VCC/GND/ACC/VIN)
GPS Antenna	Internal
LTE Antenna	Internal

ON BOARD

LED	x3(Single-Color LED)
	Blue LED - GNSS Status
	Green LED - Network Status
	Red LED - Power Status

SIZE AND WEIGHT

Dimensions	88(L)*38(W)*17(H)mm
Weight	45g

POSITIONING

Location Technology	GNSS+LBS+WIFI
Positioning Antenna	Built-in antenna
Concurrent GNSS	GPS+BDS
Position Accuracy	≤10m
Tracking Sensitivity	-165dBm
Cold Start Time (Open Field)	≤32S
Hot Start Time (Open Field)	≤1S
Assisted GPS	Supported

ELECTRICAL

Standby Current	≤5mAh
Built-in Battery	450mAh
Working Temperature	-20℃~70℃

Function

Geofence	Supported
Power Cut Alarm (Tamper Alarm)	Supported
Blind Area Data Re-upload	Supported
Cornering Data Re-upload	Supported
ACC Ignition Detection	Supported
Remote Fuel & Power Cut-off	Supported
Reserved Multi-channel I/O	Supported
Two-way Voice Communication	Supported
OTA Upgrade	Supported
TTS Voice Broadcast	Supported

Optional

Bluetooth 5.1	Optional
RS485 Serial Communication	Optional
One-Wire Communication	Optional
SOS Alarm	Optional
LOGO Customization	Optional
Custom Packaging	Optional