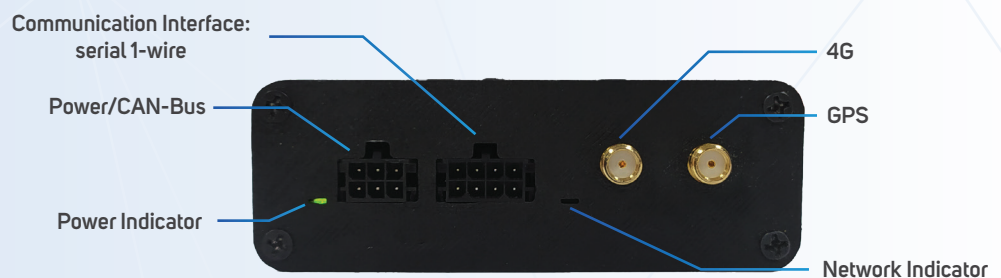


Tx LTE 2

An advanced automotive grade GPS tracker with LTE support for fleet management

Introducing the Tatweer Tx LTE 2, an advanced vehicle tracking device designed to enhance your fleet's performance significantly. With this device, you can enjoy improved security, optimized operations, and streamlined maintenance, all conveniently accessible at your fingertips.

- LTE/4G with failover to 3G or 2G
- Bluetooth BLE
- Wi-Fi 2.4GHz
- CAN and OBDII support
- ECU diagnosing from backoffice
- OTA firmware upgrade
- Support additional modules via IO port and serial ports
- External GPS and GSM antenna ports
- Easy installation: single connector & single combined antenna
- Supports LTE bands B28 & B40
- On-board: Accelerometer, Gyroscope
- Event detection: Towing, Crash, Harsh Driving, Tampering, Over Speeding, Overheat and Overparking
- Wide operational voltage 9V-35V



I/O Port Flexibility

Tailor-made for fleet managers, the Tatweer Tx LTE 2 boasts an extensive range of digital and analog I/O ports, specially designed to offer unmatched flexibility in connecting and controlling diverse external devices. The interface drivers possess impressive capabilities, with digital inputs effortlessly handling up to 30V, digital outputs supporting 50V and 400mA, and analog inputs with wide range input voltage from 0 up to 30V. This exceptional feature allows you to effortlessly monitor and manage multiple aspects of your fleet with ease.

Comprehensive Communication Protocols

Our advanced fleet management system is equipped with communication module interfaces like I2C, Serial, Wi-Fi, Bluetooth, and One-Wire. These interfaces allow effortless data exchange and seamless control of devices, ensuring a synchronized and well-coordinated fleet operation. What sets our system apart is its modular design, which facilitates easy integration of various sensors that utilize I2C and One-Wire protocols. With this modular approach, adding new sensors or upgrading existing ones becomes a breeze, eliminating the need for extensive redesigns, which empowers fleet managers to continuously improve and optimize their operations without the hassle of overhauling the entire system.

Remote Car ECU Diagnosis

Unlock the advanced feature of remotely checking all ECU errors through our OBD interface, allowing automatic generation of maintenance tickets in fleet management. Typically provided exclusively by authorized car distributors, our device brings you this capability at no additional cost. Enjoy the convenience of monitoring and addressing ECU errors seamlessly, enhancing your fleet's maintenance efficiency without any extra expenses.

Use Cases



**Public Safety &
Emergency
Response**



**Public
Transportation**



**Fleet
Management**



**Asset
Tracking**



**Insurance
Telematics**

Technical Specifications

Model Name	Tatweer Tx2 LTE
Antennas	GPS / GLONASS and BD, GSM
Types of Antennas	External GPS +4G (combo)
Receiver Sensitivity	-98.8 dBm
Location Accuracy	2 m (Open sky)
Cold Start	10 s
Hot Start	5 s
Accelerometer	Built-in 6-axis
Memory Capacity	Up to 16MB without external memory
PC Connection	USB Type-C
Built-in Battery	Li-Ion, 600 Mah
Average Power Consumption	BLANK
Sleep Mode	GPS Sleep, Sleep, Deep Sleep
Operating Power Supply	9-30 V
Cellular Channel	GSM 850/900/1800/1900 MHz LTE-FDD B1/B3/B5/B7/B8/B20/B28 LTE-TDD B38/B40/B41
Memory	Up to 16 MB internal flash memory
SIM	1 Mini-SIM
USB	USB Type-C
Digital Inputs	7 channels up to 30V
Digital Outputs	6 channels up to 50V, 400 mA.
Analog Inputs	3 channels up to 30V.
CAN	1
Bluetooth	Bluetooth BLE
Inputs Voltage Range	0-30 V
CAN-bus Protocols	BLANK
Protocol of Data Transmission	MQTT/TCP/UDP/HTTP/HTTPS , Customizable
Data Support	SMS (text/data)
BLANK	Customizable
Feature	Manual Geofencing, Trip Detection, Odometer, Fuel Counter, GNSS Unplug Detection
Event Detection	Movement Detection: Accelerometer Scenarios: Over Speeding Detection, Excessive Idling Detection, Towing Detection, Crash Detection, Immobilizer, button Read Notification

Supported Peripherals	Garmin, RFID RS232, RFID 1-Wire, iButton 1-Wire, Temperature 1-Wire, Continental tire pressure measurement sensor, Temperature, and humidity sensor, Universal BLE sensors support, Relays ,
Configuration and Firmware Update	Remote Over Web PC Configurator via USB
Warranty Period	1 year
Size	88 x 99 x 22 mm
Weight	130 grams
Operating Temperature Range	-40...+85°C without battery

