



## M14EX (4G)

### Container Tracking System

The Container Tracking System is a solution developed for tracking containers used in transportation. It can be installed quickly and easily on the container. The Container Tracking System transmits information such as location information and container data received from GPS and GLONASS satellites to the remote server using GSM/GPRS/2G/3G/4G infrastructures. It provides the opportunity to view and report all information on the container via the Internet. It generates an alarm notification against sabotage and transmits it to the server.

2G/3G/4G  
Networks



GNSS



Bluetooth v4.2  
802.11 BGN



IP69  
Protection Class



OLED  
128x64 Display



Configuration via  
SMS and TCP-IP



9-36 VDC  
Charge Voltage



Back-up Battery



## Module

Name	M14EX
Technology	LTE Cat 1

## GNSS

GNSS	Yes
Receiver	GPS/GLONASS/BeiDou/Galileo
Tracking Sensitivity	-157 dBm
Position Accuracy	<2.5 m
Hot Start	1.1 s with AGPS
Warm Start	3.7 s with AGPS
Cold Start	11.57 s with AGPS

## Cellular

Technology	LTE Cat 1
2G bands	B3/B8
4G bands	B1/B3/B7/B8/B20/B28
Data Transfer	LTE-FDD, DC-HSPA+, WCDMA, EDGE, GPRS
Data Support	HTTP, HTTPS, MQTT, TCP-IP

## Power

Input Voltage Range	9-36 V
Back Up Battery	20800-27200 mA (optional)

## Bluetooth / WIFI

Specification	Bluetooth v4.2, 802.11BGN
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## Physical Specification

Dimensions	210mm x 104mm x 50mm
Weight	947 gr ± 5 gr

## Interface

GNSS Antenna	Internal
GSM Antenna	Internal
LED indication	3
SIM	1
Memory	4 MB
Display	OLED 128x64

## Environmental Conditions

Protection Class	IP69
Operating Temperature	-40 °C ~ +85 °C

## Features

Sleep Modes	3 configurable sleep modes
Configuration and firmware update	Auto-update feature for MCU and module firmware
SMS	Configuration via SMS
GPRS Commands	Configuration via GPRS
Time Synchronization	NTP server support
Ignition Detection	Yes

## Certification & Approvals

Regulatory	CE, UL94
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