CAREU™ EZ1 LTE

LTE Cat.1 Global Band

2G | 3G | 4G | GNSS | RS232 | 1-Wire

An economic, compact vehicle tracker with essential I/O capability and ease to install for real-time tracking

CAREU EZ1 is a cost-effective tracking device with a compact size and essential I/O capability for easy installation and accurate tracking RS232 serial port for rich accessories supporting, which allows connecting fuel sensors for accurate fuel level sensor monitoring. 1-wire interface for temperature sensor detecting and controlling. It is also can improve fleet safety and driver safety on the road with the fleet management report analysis and preventative action.

Advantages

- 2G/3G/4G Network
- 1-Wire® Interface
- Assisted-GPS (Ephemeris)
- Multi Satellite System (GNSS)
- Automatic Self-Diagnostic Record
- Internal GPS Antenna Version (Optional)

Features

- Cost effective and easy installation
- Remote configuration (via BT) (Optional)
- Data communications by LTE / UMTS / HSPA / GPRS / EDGE, SMS, FTP, USSD
- Support GPS / Glonass Satellite System
- Built-in 3-axis accelerometer
- Support harsh acceleration / harsh braking / Impact detection
- Support 1-Wire® interface temperature function and i-Button driver ID
- RS232 interface for rich accessories support, Fuel level sensor, RFID reader, Barcode, and so on.
- Support Garmin FMI 2.0 operation
- Geofence report in circular and polygonal types
- Configurable real-time tracking
- Intelligent power management
- GPS Odometer data reading and rich user-defined reports
- FOTA firmware via FTP
- Power low / lost alarm
- Maximum 200,000 data logs

SYSTEMS & TECHNOLOGY CORP.

CAREU EZ1 LTE Technical Specifications

▶ Communication Specification

Frequency	2G / GSM: Quad band, 850 / 900 / 1800 / 1900 MHz
	3G / UMTS/HSPA: B1, B2, B5, B18, B19
	4G LTE-FDD(Cat 1) B1, B2, B3, B4, B5, B7, B8, B12, B13, B19, B20, B28
	4G LTE-TDD(Cat 1) B38, B39, B40, B41
Data Protocol	TCP, UDP, SMS, USSD

▶ General Specification

Dimensions (L x W x H)	92mm x 55mm x 25mm
Weight	Internal GPS Antenna: 70g / External GPS Antenna: 60g
Power Source	6-36V DC
Power Consumption	50mA@12V DC (Operating Mode)
	6mA@12V DC (Standby Mode)
	0.3mA@12V DC (Sleep Mode)
Operating Temperature	-20°C~+70°C (-4°F~158°F)

▶ Interface

Serial Ports	1 x RS-232 Port (Configurable baud rate)
Input Ports	1 x ACC/Ignition Input
	3 x Digital Inputs (1 x Positive trigger & 2 x Negative triggers)
	2 x Analog Input (12-bit resolution)
	1 x 1-Wire® Input
Output Ports	2 x Outputs (Max. sink current 300mA)
SMA Connector	External GPS Antenna (Internal GPS Antenna SKU does not have SMA connector)

The specification may be subjected to change without prior notice.

▶ Accessories

Standard	Power & I/O cable
	Backup battery：Li-ion, 160mAh
Option	RS232 Cable
	Personal ID Identification Kit
	USB cable
	i-button
	Temperature sensor
	TPMS solution
	Backup battery：Li-ion, 900mAh

▶ Applications

Vehicle real-time tracking
Vehicle security/rescue/anti-hijack
Mobile asset tracking
Fleet management
Location based service

ISO 9001
DNV
REGISTERED FIRM