

# CAREU U w1

Waterproof GPS Tracker

4G  
2G/3G

CAN Bus

GNSS

IP67

1-Wire



## Features

- > Cost effective and easy installation
- > IP67 waterproof for outdoor demanding environments
- > Data communications by UMTS/HSPA/GPRS/EDGE, SMS, FTP, USSD
- > Support GPS/ Glonass \* / BDS \* / Galileo \* Satellite System
- > Support CAN Interface \*
- > Built-in 3-axis or 6-axis \* accelerometer
- > Support harsh acceleration/ harsh braking/Impact detection/ harsh cornering \* / Flip over detection \*
- > Support 1-Wire® interface temperature function and i-Button driver ID
- > Geofence report in circular and polygonal types
- > Remote configuration
- > Configurable real-time tracking
- > Intelligent power management
- > GPS Odometer data reading and rich user-defined reports
- > FOTA firmware via FTP
- > Power low/lost alarm
- > GSM jamming detection
- > Maximum 200,000 data logs

(\* )Optional



## Advantages

4G/3G/2G Network

1-Wire® Interface

Assisted-GPS (Ephemeris)

Multi Satellite System (GNSS)

Automatic Self-Diagnostic Record

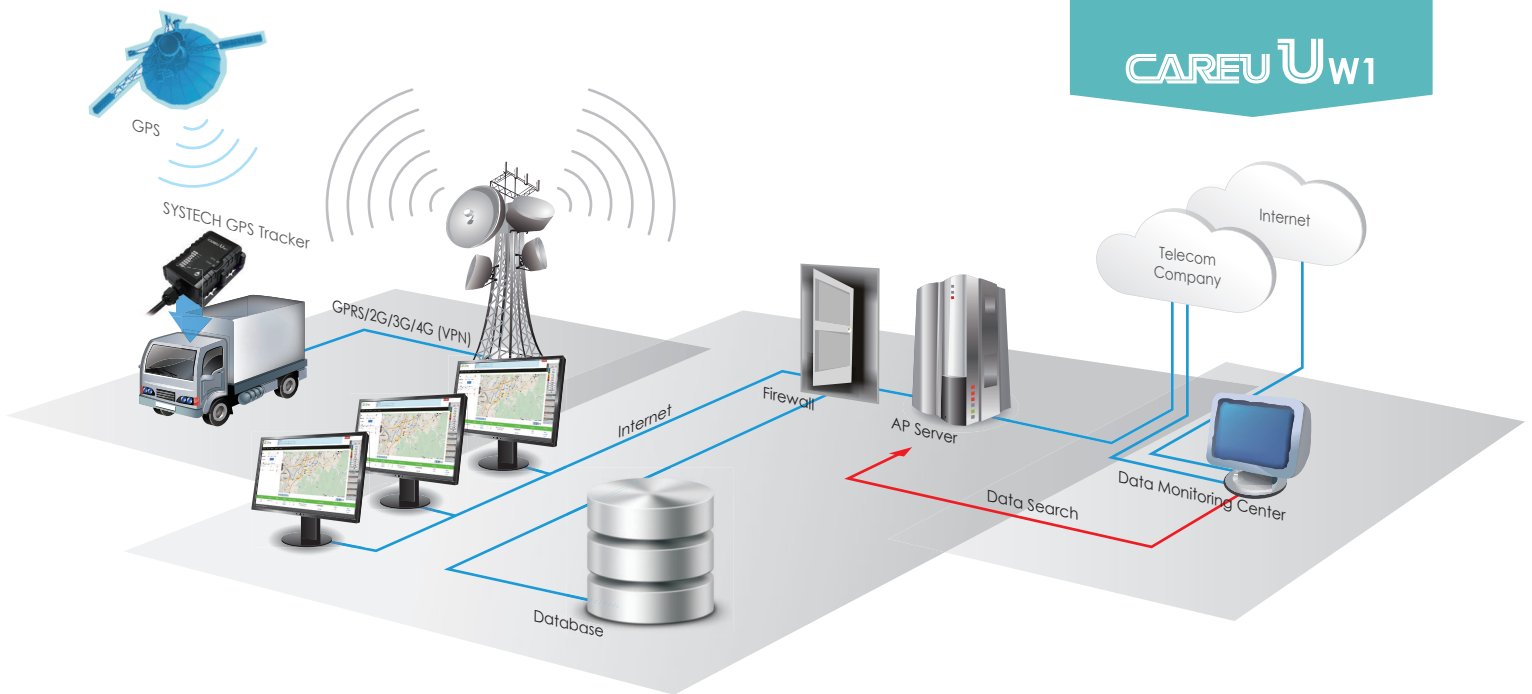
\* Harsh Driving Behavior Detection

\* RS232 Interface

\* CAN BUS Interface



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## Specifications

- > Communication Specification
    - Frequency
      - 2G/GSM: Quad band, 850/900/1800/1900 MHz
      - 3G/ UMTS/HSPA: B1,B2,B5,B18,B19
      - 4G LTE (Cat 1) B1, B2, B3, B4, B5, B7, B8, B12, B13, B19, B20, B28
      - 4G LTE (Cat M1 / NB1) Global Band
    - Data Protocol : TCP, UDP, SMS, USSD
  - > GNSS Performance
    - Datum : WGS-84
    - Receiver type : 72 channels
    - Sensitivity : -167 dBm; 26s
  - > General Specification
    - Dimensions (L x W x H) : 81mm x 64mm x 31mm
    - Weight : 155g
    - Power Source : 6-48V DC
    - Power Consumption :
      - Operating Mode:
        - 3G: 36mA @12V DC / 4G Cat.1: 50mA @12V DC / 4G Cat.M: 45mA @12V DC
      - Standby Mode:
        - 3G: 12mA @12V DC / 4G Cat.1: 12mA @12V DC / 4G Cat.M: 14mA @12V DC
      - Sleep Mode:
        - 0.3mA @12V DC (w/Backup Battery)
    - Operating Temperature : -20°C~+70°C (-4°F~158°F)
  - > Interface
    - 1x CAN Interface (Compatible with ISO 11898-2 : Data Rates up to 1Mbps) \*
    - Serial Ports : 1 x RS-232 Port (Configurable baud rate) \*
    - 1 x 1-Wire® Port
    - USB Port
    - 1 x Analog Input (12-bit resolution)
    - RS-232 Version :
      - Input Ports : 1 x Digital Input (Positive trigger)
      - Output Ports : 1 x Output (Max. sink current 300mA)
    - Without RS-232 Version :
      - Input Ports : 3 x Digital Inputs (1 x Positive trigger & 2 x Negative triggers)
      - Output Ports : 2 x Outputs (Max. sink current 300mA)
- (\* )Optional

## Accessories

### Standard

- > Backup battery : Li-ion, 900mAh

### Option

- > USB cable
- > i-button
- > Temperature sensor

## Applications

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

The specification may be subjected to change without prior notice.

PTCRB CE FC



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