

# CAREU U1 PLUS

Advanced GPS Tracker



## Features

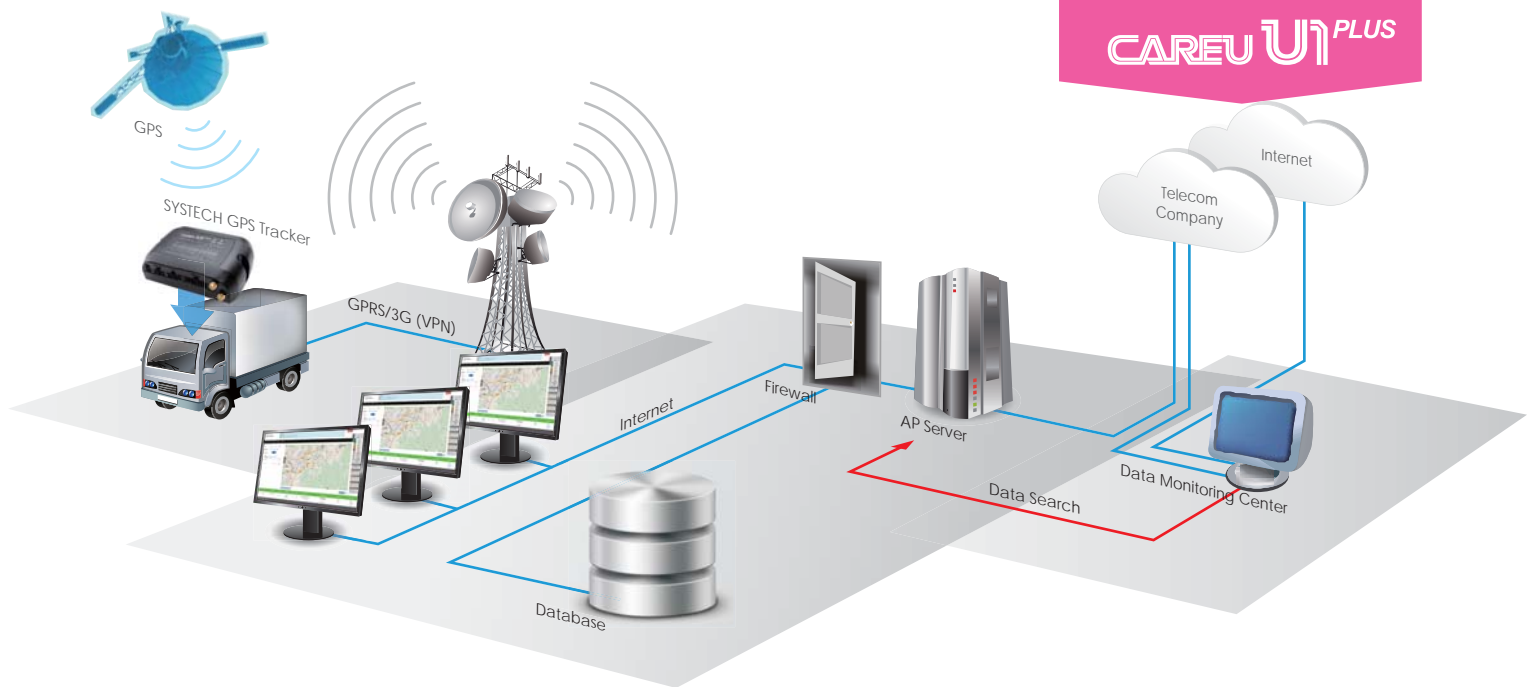
- > Cost effective and easy installation
- > Two-ways voice communication \*
- > Data communications by UMTS/HSPA/GPRS/EDGE, SMS, FTP, USSD
- > Support GPS/ Glonass \* / BDS \* / Galileo \* Satellite System
- > Built-in 6-axis accelerometer
- > Support harsh acceleration/ harsh braking/Impact detection/ harsh cornering/ Flip over detection
- > Support 1-Wire® interface temperature function and i-Button driver ID
- > RS232 interface for rich accessories supporting, Fuel level sensor, RFID reader, Barcode, and so on.
- > Support Garmin FMI 2.0 operation
- > Geofence report in circular and polygonal types
- > Remote configuration
- > Configurable real-time tracking
- > Intelligent power management
- > GPS Odometer data reading and flexible user-defined reports
- > FOTA firmware via FTP
- > Power low/lost alarm
- > GSM jamming detection
- > GPS antenna tamper detect alarm
- > Maximum 150,000 data logs

(\*) Optional



## Advantages

- 2G or 3G or 4G Network
- eCall System (112)
- 1-Wire® Interface
- Assisted-GPS (Ephemeris)
- Multi Satellite System (GNSS)
- Harsh Driving Behavior Detection
- Automatic Self-Diagnostic Record
- \* DSC Camera Support (3G Version)
- \* RS-485 Interface
- \* WiFi Communication (with external Wi-Fi dongle / 3G)
- \* WiFi Communication (Internal Hotspot module / 4G Cat.4)
- \* AES-256 Data Encryption



## Specifications

- > Communication Specification
    - Frequency
      - 2G/GSM : Quad band, 850/900/1800/1900 MHz
      - 3G/UMTS/HSPA : 850/900/1900/2100 MHz
      - 4G Cat.1: B1, B2, B3, B4, B5, B7, B8, B12, B13, B19, B20, B28
    - Data Protocol : TCP, UDP, SMS, Voice, USSD
  - > GNSS Performance
    - Datum : WGS-84
    - Receiver type : 72 channels
    - Sensitivity : -167 dBm; 26s
  - > General Specification
    - Dimensions (L x W x H) : 72mm x 108mm x 31mm
    - Weight : 165g
    - Power Source : 8-30V DC
    - Power Consumption :
      - 126mA@12V DC (Operating Mode)
      - 30mA@12V DC (Standby Mode)
      - 16mA@12V DC (Sleep Mode)
  - > Operating Temperature : -20°C~+70°C (-4°F~158°F)
  - > Interface
    - Serial Ports :
      - 3 x RS-232 Port (Configurable baud rate)
      - 1 x RS-485 Port \*
    - Input Ports :
      - 1 x ACC/Ignition Input
      - 4 x Digital Inputs (2 x Positive triggers & 2 x Negative triggers)
      - 2 x Analog Inputs (12-bit resolution)
      - 1 x 1-Wire® Input
    - Output Ports : 4 x Outputs (Max. sink current 300mA)
    - Ethernet Port : 1 x Ethernet Port \*
    - Two-way voice port
- (\* ) Optional

## Accessories

### Standard

- > GPS antenna
- > GSM antenna
- > Power cable
- > I/O cable
- > RS-485 /1-Wire® cable
- > Serial cable

### Option

- > Backup battery : Li-ion, 1150mAh
- > Mobile data terminal
- > Personal ID Identification Kit
- > Audio kit
- > i-button
- > Temperature sensor
- > TPMS solution
- > WiFi dongle (Client)
- > RS-485 JPEG camera
- > J1939 Interpreter
- > J1979 Interpreter

## 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 CCC CE FC



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