CAREU U1 PLUS

Advanced GPS Tracker

Bluetooth · 4G 2G/3G · GNSS · RS232 · 1-Wire · eCall

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
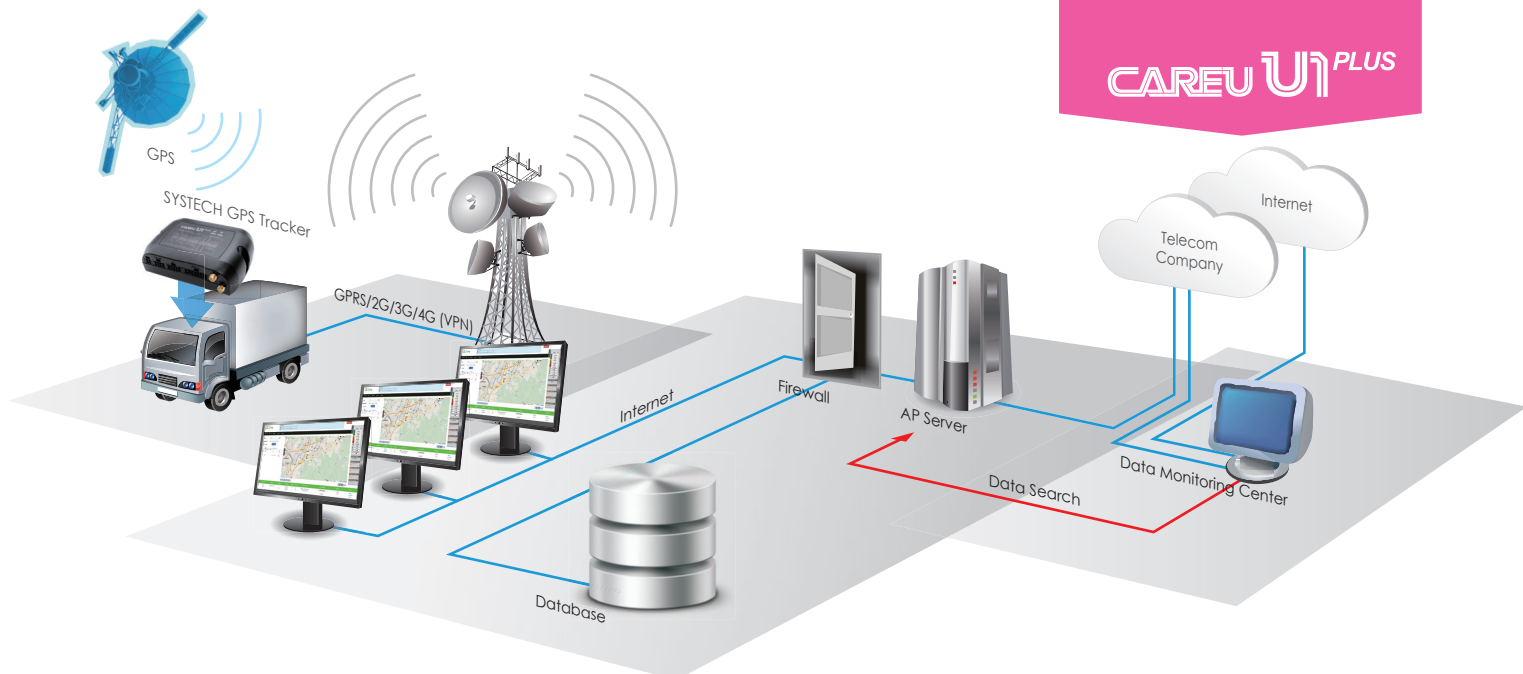> Maximum 200,000 data logs

(*) 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
* Bluetooth Interface for Wireless Configuration (4G Version)
* DSC Camera Support (3G / 4G Version)
* RS-485 Interface
* WiFi Communication (with external Wi-Fi dongle / 3G)
* WiFi Communication (Internal Hotspot module / 4G Cat.4)
* AES-256 Data Encryption
* Built-in OBD Interpreter

SYSTEMS & TECHNOLOGY CORP.
www.systech.com.tw

GPS

SYSTECH GPS Tracker

GPRS/2G/3G/4G (VPN)

Internet

Firewall

AP Server

Data Search

Database

Telecom Company

Internet

Data Monitoring Center

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Specifications

› Communication Specification
  - Frequency
    2G/GSM：Quad band, 850/900/1800/1900 MHz
    3G/ UMTS/HSPA：850/900/1900/2100 MHz
    4G LTE (Cat. M): Global Band
    4G LTE (Cat 1): B1, B2, B3, B4, B5, B7, B8, B12, B13, B19, B20, B28
    4G LTE (Cat.4): B1, B2, B3, B5, B7, B8, B28, GSM850 MHz ,
                   E-GSM 900 MHz , DCS 1800 MHz , PCS 1900 MHz
  - Data Protocol：TCP, UDP, SMS, Voice, USSD
› Bluetooth
  - Bluetooth specification V4.0 for 4G LTE (Cat. M1, Cat.1 & Cat. 4)
  - Bluetooth transceiver for external peripherals:
    - Configuration via Bluetooth
    - MDT data transmission
› WiFi hotspot 2.4GHz, IEEE 802.11 a/b/g/n (Cat.4)
› GNSS Performance
  - Datum：WGS-84
  - Receiver type：72 channels
  - Sensitivity：-167 dBm; 26s
› Built-in OBD interpreter (4G) *
› General Specification
  - Dimensions (L x W x H)：72mm x 108mm x 31mm
  - Weight：165g
  - Power Source：2G/3G: 8-36V DC, 4G: 8-48V DC
  - Power Consumption：
    - Operating Mode:
      3G: 126mA @12V DC
      4G Cat.1: 65.6mA @12V DC
      4G Cat.4: 81mA @12V DC
    - Standby Mode:
      3G: 30mA @12V DC
      4G Cat.1: 13.2mA @12V DC
      4G Cat.4: 13.8mA @12V DC
    - Sleep Mode:
      3G: 16mA @12V DC
      4G Cat.1: 2mA @12V DC
      4G Cat.4: 2mA @12V DC

› 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
› Backup battery：Li-ion, 1150mAh

Option
› 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
› Serial cable

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 ISO 9001 DNV REGISTERED FIRM

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