CAREU™ UT1

Trailer Tracker

Features

- IP67 waterproof for outdoor demanding environments
- Rechargeable battery capacity 5200mAh or 10400mAh, up to 1 year standby time
- Data communications by UMTS/HSPA/GPRS/EDGE, SMS, FTP, USSD
- Support GPS/ Glonass＊/ BDS＊/ Galileo＊ Satellite System
- 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

Large Battery Capacity

＊RS232 Interface

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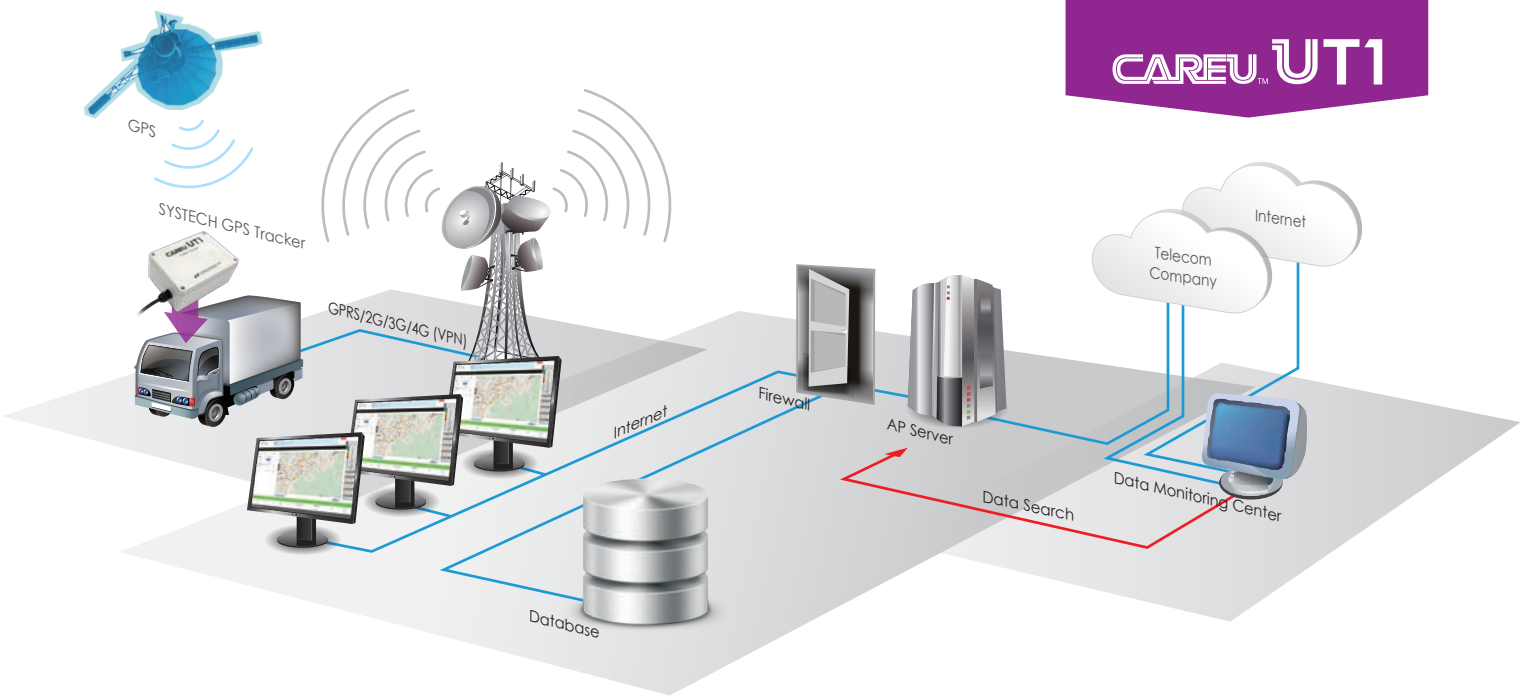

Specifications

- 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)：145mm x 105mm x 65mm
  - Weight：622g
  - 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℃~+70℃ (-4℉~158℉)
- Interface
  - 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 5200 mAh
  (Optional 10400 mAh)

Option

- USB cable
- i-button
- 1-Wire® Temperature sensor

Applications

- Vehicle trailer tracking
- Cargo/Container tracking
- Mobile asset tracking
- Fleet management
- Location based services

The specification may be subjected to change without prior notice.

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