

PTS – P33  
PERSONAL TRACKER

[www.citiwave.net/tracking](http://www.citiwave.net/tracking)

**CITIWAVE**<sup>®</sup>  
SYSTEMS

<http://www.citiwave.net>

CitiWave Systems Ltd is well organized for the ability to provide GPS tracking system. We are committed to offering our customers with innovative, convenient and affordable GPS tracking systems.

The GPS tracking system uses global positioning system technology to determine the location of a vehicle, person, or animal and to record the position at regular intervals. The recorded data can be stored within the tracking unit, or it may be transmitted to a central location, or internet-connected computer, using a cellular modem, 2-way radio, or satellite. This allows the data to be reported in real-time, using either web browser based tools or customized software.

### PTS-P33 – Personal Tracker.

The PTS-P33 is a personal tracking unit. Equipped with state-of-the-art GPS and GPRS technology it provides tracking data with great accuracy. PTS-P33 is enriched with many features that provide extra functionality and can be used in a variety of applications.

### Selected system features:

- Integrated GPS and GPRS/GSM modules
- GPRS support GSM for downloading logged data
- Memory capacity up to 100,000 individual locations
- Built in motion switch (the unit can be mounted in any position for activation).
- 1 \* power switch
- 1 \* motion/parking switch (Bluetooth switch optional)
- 1 \* Panic Button
- 1 \* Microphone
- Serial (1200 to 38400 baud Rate) for external communication, firmware upgrade, GPS data output and battery charge.
- 4 LED indicators
- Ear phone jack

### Firmware features:

- Send panic message and location via GPRS/SMS
- Motion sleep mode/Basic sleep mode/Deep sleep mode for power saving
- Motionless alert
- Audio surveillance
- Real time tracking using SMS and GPRS

[Note: If memory error or memory CRC error then all LEDs will flash at the same time]



# TECHNICAL SPECIFICATIONS

## Physical Characteristics:

- Unit size: 86 \* 57 \* 30.7mm (height)
- Weight: 90g, 120g including the battery
- Plastic ABS
- Operational Temperature: -20°C to +60°C (board temperature).

## Electrical Characteristics:

- Input Voltage: +5 Volt (Battery Charge).
- Online mode (GSM online + GPS online): 105mA (16 hours).
- Standby mode (GSM online + GPS off line) > 15mA (73 hours).
- Battery Power: Li-ion – 1100 mA.

## GPS Specifications:

- uBlox – LEA-4S chipset version.
- Parameter Specification.
- Receiver Type L1\_frequency, C/A Code, 16 Channels
- 8192 time/frequency search windows.
- Max Navigation Update Rate: 4 Hz
- Accuracy Position:
  - Position DGPS / SBAS2
  - 2.5m CEP3 5.0m SEP4
  - 2.0m CEP 3.0m SEP
- Acquisition GPS Mode:
  - Cold Start: 34 Sec
  - Warm Start: 33 Sec
  - Hot Start: <3.5 Sec
  - Reacquisition: <1 Sec
- Sensitivity:
  - Tracking: -158 dBm
  - Acquisition & Re-acquisition: -148 dBm
  - Cold Starts: -142 dBm

## GSM Specifications:

- Quad-Band GSM/GPRS 850/900/1800/1900 MHz.
- GPRS multi-slot class 10.
- GPRS mobile station class B.
- Compliant to GSM phase 2/2+.
- Class4 (2W at 850/900 MHz).
- Class1 (1W at 1800/1900 MHz).

## Optional:

### Bluetooth:

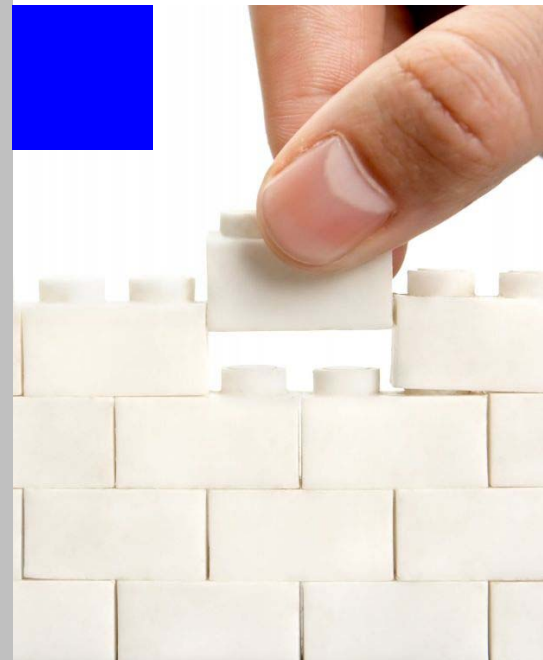
- Bluetooth v1.1

### Certificates:

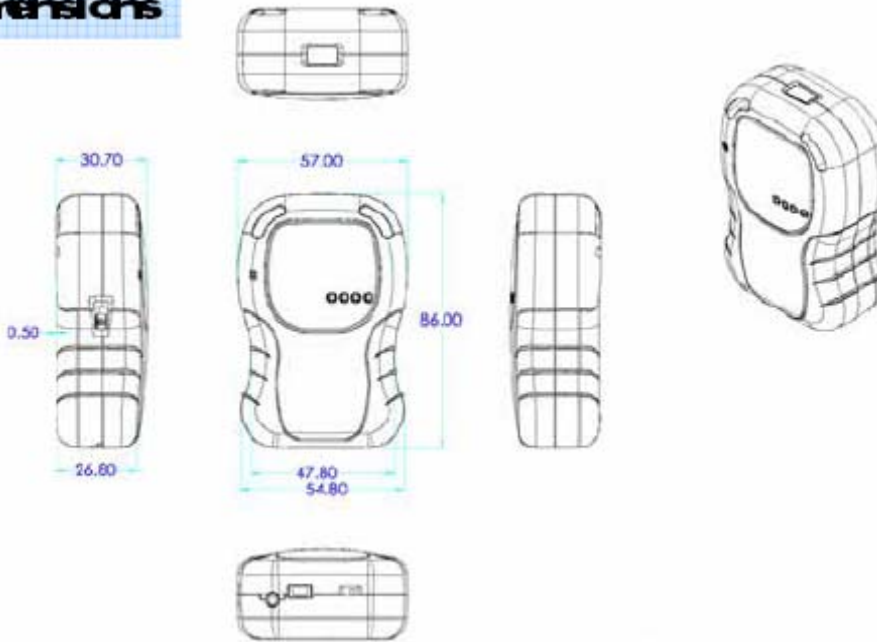
- CE
- FCC
- BQB

### Standard Package includes:

- PTS-P33
- Earphone
- Car & wall charger
- Software CD



## Dimensions



## APPLICATIONS

- Child care – locate missing children, track children's whereabouts.
- Disables' safety – dementia sufferer's safety, seniors' safety.
- Outdoor recreation – travel, hiking, bike riding.
- Navigation.
- Rescue operations.
- Animal tracking – locate missing pets, hunting, wildlife research.
- Security – safety of police force or security guard, locate valuables.
- Military use – locate soldiers on the battlefields.
- Business use – manage and dispatch sales/technical force, logistics.



**PTS-P33**  
Your solution for Personal Tracking



## PTS-P33

Your solution for personal tracking.  
For more information call us at (+30)-261-042-9992, send us an email at [sales@citiwave.net](mailto:sales@citiwave.net) or visit our web site [www.citiwave.net/tracking](http://www.citiwave.net/tracking) .

Thank you

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