



# mini Trace

UNIVERSAL TRACKING DEVICE

*A versatile solution for universal tracking and security*

## Presentation :

**mini Trace®** is a compact, portable GPS/GPRS tracking device. It has been tailored to meet a wide range of security needs and tracking requirements. It is destined to be used for all types of mobile asset tracking, including vehicles, boats, people, pets, etc...

For people tracking, whether you want to improve your child security and make sure he is in fact where he is supposed to be, whether you are dealing with an elderly that has recurrent memory problems and want to be able to help him when he is lost, whether you hope to provide a better and more secure environment for your security agents, **mini Trace®** will help you do just that, will help you track a person anywhere he may be.

Furthermore, to improve security, **mini Trace®** comes with an SOS button for emergencies, and geo-fence for zone limitation.

By combining **mini Trace®** with its fleet management software **aimTrace®**, Tunav provides users with a powerful tool for people tracking and security.

Web  
[www.tunav.cm](http://www.tunav.cm)

Contact  
[tunav@tunav.com](mailto:tunav@tunav.com)

## Features :

### *Real time tracking :*

- Time
- Position
- Speed
- Stops
- Trajectory

### *Optional :*

- SOS button
- Geo-fencing

### *Accessories :*

1. AC charger
2. Car charger
3. Car converter



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# TECHNICAL SPECIFICATIONS

## Physical Parameters

Enclosure dimensions (mm)	48 (L) * 38 (W) * 16 (H) mm
Weight	50 g

## Electrical

DC Supply voltage	5 V
DC Tolerance voltage	5-6V (standard) 9-36V (with vehicle converter)
Current ( GPRS online)	50mA
Current (GPRS transmission)	110-170mA
Current (Peak)	180mA

## Battery

Internal Battery	Li-polymer battery 300mAH
Battery Voltage	3.4V-4.2V
Charge Voltage	4.17-4.2V
Charge Current	220-220mA

## GPRS

Frequency Range (MHz)	Support 4-frequency 850/900/1800/1900
Channel spacing ( Hz)	200 KHz
GPRS connectivity	GPRS multi-slot class10, GPRS mobile station class B
SMS storage Capacity	40 inME
Antenna Connector	None
Antenna Impedance	50 ohms

## GPS

Channels	20 parallel tracking
Correlators	200,000 plus
Frequency	L1-1575.42 MHz
Sensitivity	
Tracking	-159dBm
Acquisition (Cold start)	
Position accuracy (Horizontal)	<10m autonomous (2D RMS) <5m (2D RMS)
Time to first fix (TTFF)	
Hot start	<1sec
Warm Start	
Cold Start	<35 sec
Standard GPS software	
NMEA message switchable	GGA,GSA GSV,VTG,RMC, GLL
Baud rate ( in baud)	9600 (standard) 4800-34400 (optional)
Serial ports	3.3V CMOS compatible
Tx0	NMEA output
Rx0	NMEA input

## Communication

	GPRS / SMS
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## Environmental

Operating Temperature	-10°C to + 50°C
Storage Temperature	-20°C to + 60°C
Humidity	5%-95%, Non-condensing

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