

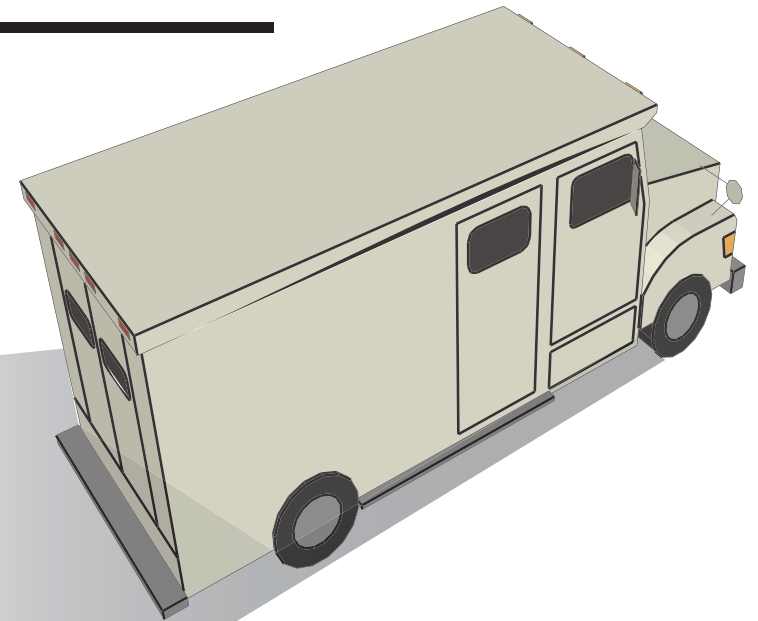
TRACKING SYSTEM

GPM007

GPM008

GPS & GPRS AVL. SYSTEM

with navigator and burglar alarm



PROFESSOR

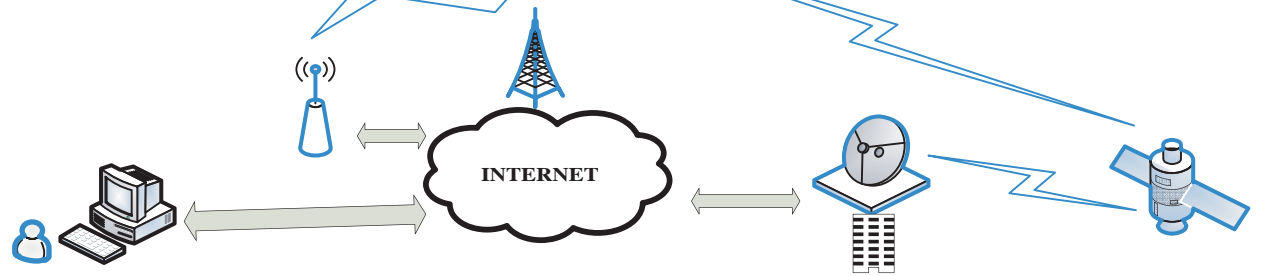
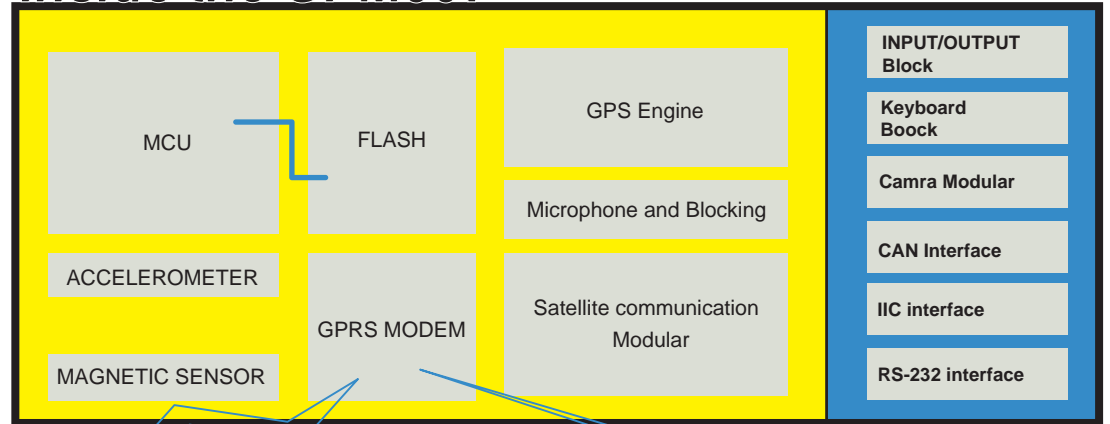
Introduction

This equipment, processes GSP data, controls the information collected by an embarked devices and becomes an interface to communicate between these vehicles and the operation center.

AVL (Automatic Vehicle Locator) device is adopted actually. GPM007 is equipped with an internal 16- channel GPS receiver, a GSM/GPRS Siemens MC-35i or MC-55/56 or TC-63 modem, input and output for connecting sensors and actuators, hands-free communicating circuits, flash memory to be capable of storing up to 20.000 vehicles; positions, over 450 waypoints to control routes and triggering actions, odometer input, time counter, internal temperature and power supply voltage sensors and so on. It is able to communicate through both GPRS and voice channel SMS or CSD (dial-up).



Inside the GPM007



Current data planning

- ☞ Trip times;
- ☞ Passengers inside vehicles in predefined areas or at some defined time;
- ☞ (it needs a integration with passenger counter);
- ☞ Interval among trips (departure and arrival interval, or at any middle control point).

Operational Control

- ☞ Schedule and trip control;
- ☞ Dynamic relation among vehicles of one route or different routes.

Fleet watcher

- ☞ Real time information;
- ☞ Fleet total control;
- ☞ Daytime work vehicle control;
- ☞ Dangerous areas focused;
- ☞ Establish a driving model;

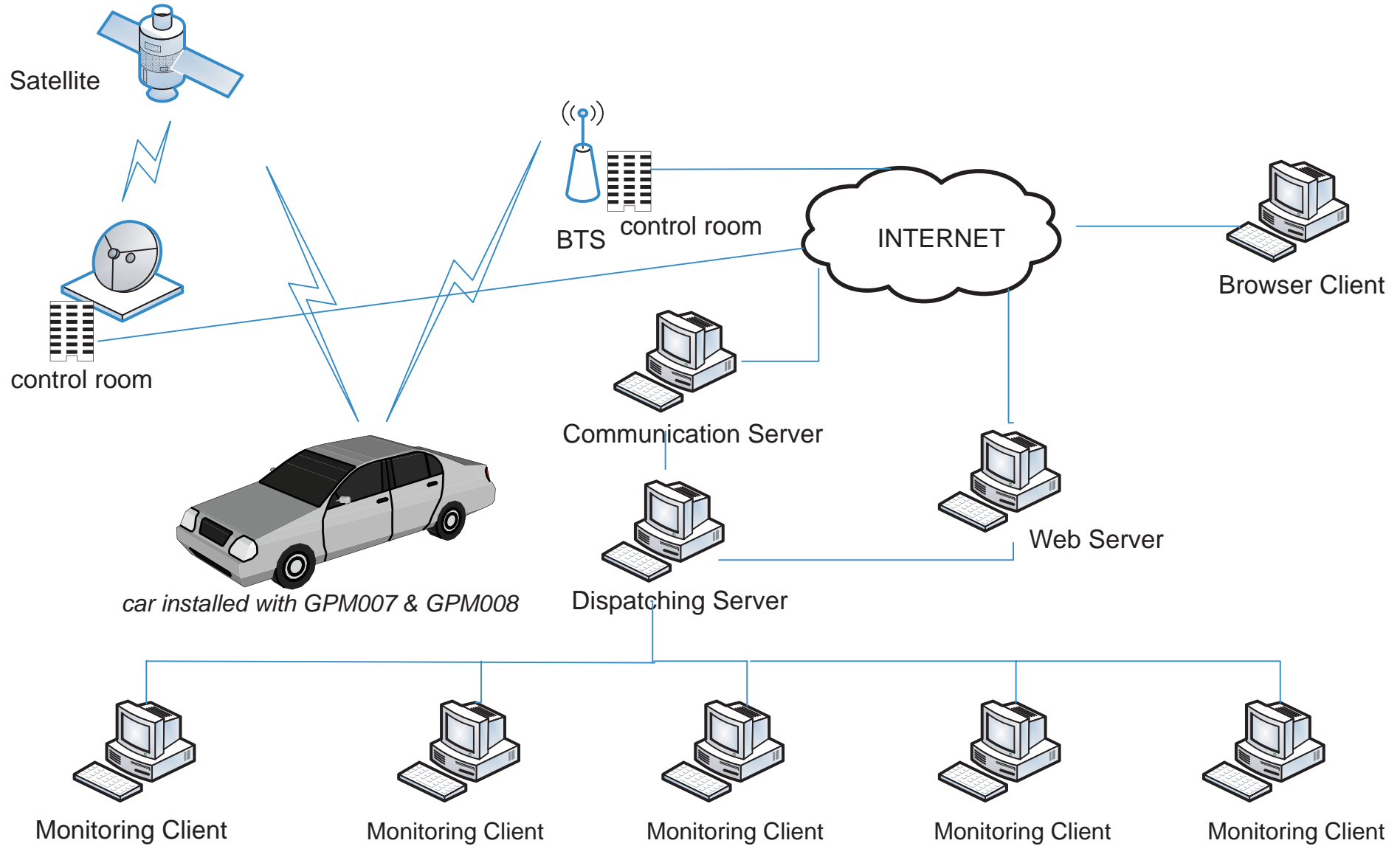
Exceptions treatment in real time

- ☞ Delay or advance on departures, control points and arrivals;
- ☞ Non available vehicles;
- ☞ Speed control selected by area;
- ☞ Route deviations.

Embarked equipment control (device controls)

- ☞ GPS Location;
- ☞ Contact with driver by data or voice (using display and/or speakers);
- ☞ Real time passenger counter (using doors peripheral devices or others);
- ☞ Interface with embarked equipments and transmission of collected data;
- ☞ Sensors and action devices in general.

Control Center



Components and Technical characteristics

GPM007-Main System

- ✎ 16 channels GPS receiver with ATMEL ANTARIS4
- ✎ Active antenna with magnetic base.
- ✎ Power supply: 10 up to 35 VDC.
- ✎ Modem GSM / GPRS Siemens Quad band
- ✎ Internal sensor for voltage and temperature verification
- ✎ Operation temperature: -10 to 70 Celsius degrees
- ✎ Real time communication circuit
- ✎ Digital Odometer
- ✎ Time counter
- ✎ 512kbytes of Flash memory
- ✎ Storage capacity up to 20.000 positions
- ✎ Capacity to register up to 450 references points
- ✎ 04 digital inputs
- ✎ 04 digital outputs
- ✎ 02 serial connections for configuration, reprogramming needs and communication with devices or sensors.
- ✎ Activates circuit of silent listening
- ✎ Speakers
- ✎ 6 Channel Digital Video Recorder



GPM008-Navigator

- ✎ CPU 400Mhz processor
- ✎ 4" TFT LCD touchscreen, 480 x 272 pixels
- ✎ SD slot for optional memory
- ✎ Operating temperature: -10°C to 70°C
- ✎ Dimensions: 146*74*22mm
- ✎ Battery lithium-polymer 1240mA (up to 4 hours)



Burglar alarm

- ✎ vibration, ultrawaves, engine detectable
- ✎ SMS notice for the owner

Accessories



Earphone

GPS antenna



Microphone



GPRS antenna

