



"Embedding thoughts into Technology"

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GSM/GPS enabled Car Radio Data Receiver

Client:

Greece based technology solution provider for survey industry.

Requirement:

To Design and develop an interface device for car and home radio systems. The device shall monitor the radio data system (RDS) data from a RDS enabled car/home audio receiver and user position from the GPS data. The data will be uploaded to a remote server on request from server using GSM/GPRS.

Solution:

Embin has designed and developed an 8bit P89C668 microcontroller with siemens XT55 (GSM/GPRS/GPS) module and our own embedded TCP/IP stack (ETS100) based device to aid in the interface between the car/home radio system and data receiving server. Also, Embin has designed and developed the PC based application to Configure the various device parameters.

Tools/Platforms:

- » Main controller - 8-bit microcontroller (Philips' P89C668)
- » GSM/GPRS/GPS Module - Siemens' XT55 module with SIM interface.
- » Firmware language - C
- » Microsoft VC++(PC based device Configuration software)