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Author Chih-Chen Wu
Author's Email Address No Public.
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Abstract
In this thesis, GPS and embedded controllers are employed to find the vehicle position and data acquisition, respectively, in the client terminal. The corresponding information is transmitted via GSM/GPRS network. The systems in the client terminal are integrated with the embedded controllers, which are C8051-F005 [19] and S3C4510B [20] for the GSM and GPRS network, respectively. The received information is analyzed and recorded by desktop computer and the GPS data is shown with electronic map in the control center. It is verified with experimental results that the proposed system functions well and exhibits high reliability. The proposed system is used for the management of vehicle, it can be also used for the other purposes.
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