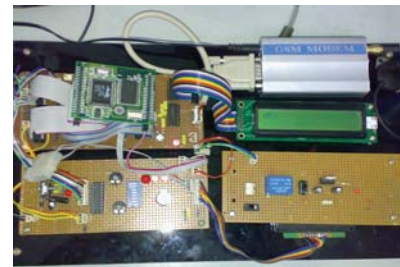
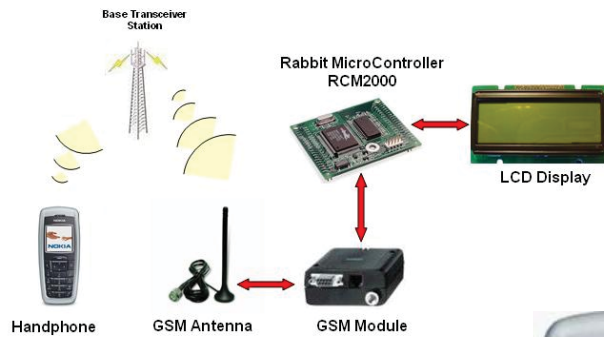


INTRODUCTION

Nowadays, LCD display system had widely been used such as at shopping complex, highway, railway stations, airport and even at traffic light junction. But all of them still depend on the pc connection and its need the operator to update the advertisement manually by come to the place where the advertisements are going to be advertised. The Digital Advertisement Display System is a stand alone product that can be controlled through afar. The operator or administrator only needs to send the updated news or advertisement by sending the Short Message Service (SMS) from his/her mobile phone. The system comprises a number of electronic components such as Rabbit RCM2000 Microcontroller, LCD Display, resistor, transistor, relay and GSM Modem. It can be applied in many display application such as flood alert system, traffic notification, door advertisement and road construction notice.

OBJECTIVES

- To design a stand alone digital display system that can be controlled from afar.
- To integrate a microcontroller, GSM modem and LCD display in a stand alone system that utilizes the GSM technology.
- To develop a functioning end product that has high potential for commercialization
- To develop a system that has the capability to support SMS function



NOVELTY

This product is a stand alone digital advertisement display system that can be controlled via SMS. The system is using the Rabbit Core Microcontroller 2000 and integrates with Global System for Mobile Communication module (GSM). It also comprises with the access security system and notification alert when the main supply is suddenly shutdown. It does not rely on any server or remote controller and functions on its own. The user or administrator only has to send the updated news or advertisement via SMS from his/her mobile phone and no need to go to the LCD advertisement board. The system runs on AC power supply and batteries.

Researchers Info

Muhammad Herman Jamaluddin

Tel : +6(06)-555 2216

Fax : +6(06)-555 2222

E-mail : herman@utem.edu.my