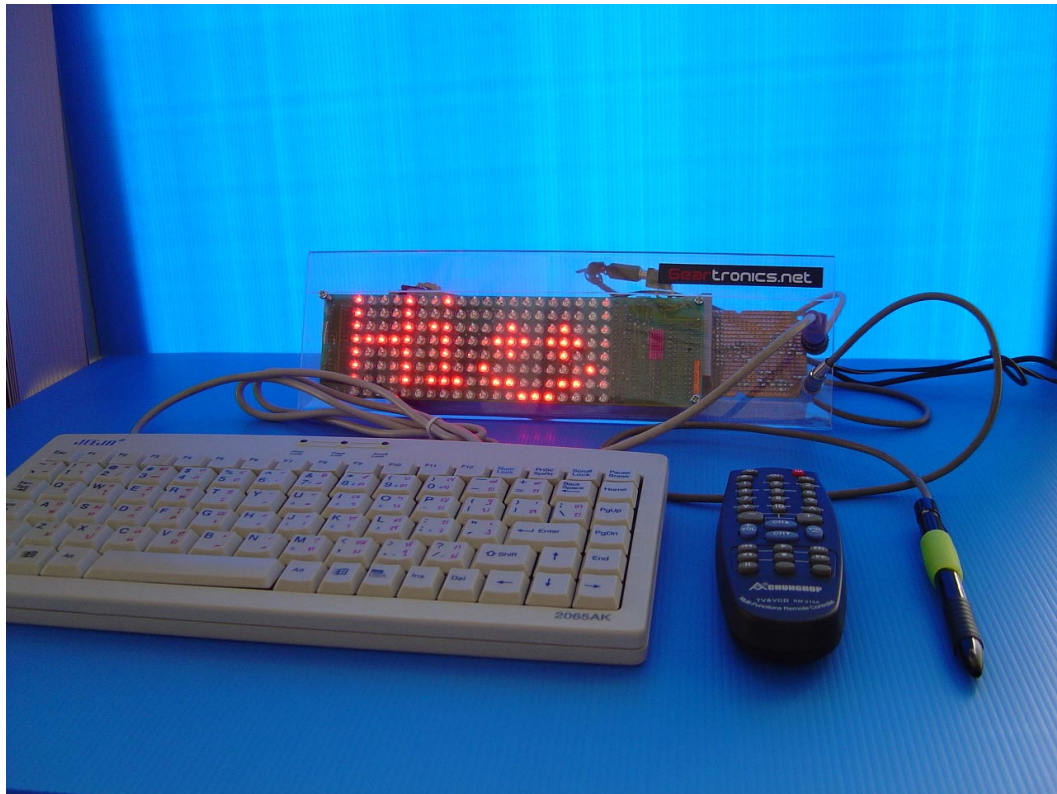


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Project Name: *Mypanel* Message board

Project Number : A3751



The Mypanel message board is designed to be small enough for you to carry anywhere with you. There are many occasions that you can use Mypanel. For example, you can put it at a registration desk for "Registration" messages, or it can be used for exhibitions, special promotion, or event broadcasts. The idea is to replace paper tag with electronics message board.

This project uses the ATMEGA163 (ATMEGA16 was not available in Thailand when the project started) to control the message, store the message and also drivers for Infrared remote control (Sony TV remote is used in this project), Keyboard, and Light Pen, which make it easy to use and as stand-alone as much as possible. We can change the message (10 messages in total) via Infrared remote control. This makes the users change the message easily, remotely and quickly. You can enter predefined message via standard PS2 keyboard for text mode. For graphic mode, users can easily draw the graphics on the board by using light pen. Just point to anywhere on the board and click the button. The light pen will detect the row column of the dots and show on board.

Project ID : A3751

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We use the LED message board from the third party and designed our own control board. The board is composed of the ATMEGA163 and a few components to interface with the remote control, keyboard and light pen.

