

Scrolling LED Message Display using 8051

ajay_bhargav, Sun Oct 10 2010, 04:10 pm

[Scrolling Dot Matrix LED Display using 8051 By Majoka](#)

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This project is a scrolling dot matrix LED message display powered by 8051 microcontroller. The code is written in assembly to control four 8x8 dot matrix LED display segments. Message to be displayed is stored in I2C EEPROM memory which is configurable through uart. Author has provided a VB software for easy configuration of message display from your PC.

User can not only set type of message to be displayed on LED display, but also control scrolling speed of message. There are two GUI software provided in the package one is a simple interface and second software provides advance features to user with preview of message before saving settings to board.

Project code is written in 8051 assembly language. The complete zip package includes:

1. Assembly Coding
2. Circuit Diagram
3. Font Creation program
4. Information on Dot matrix display
5. VB software code for GUI interface
6. Pictures of hardware

I really want to thank the Author **Nasim Majoka (majoka)** for his wonderful contribution. Also i want to thank him for providing help and guidance on forum.

Here are some demo videos of the project recorded by Majoka himself, i again want to thank him for adding Rickey's World to the video .

Incase you have any doubts or issues with the project, please make use of [forum](#).