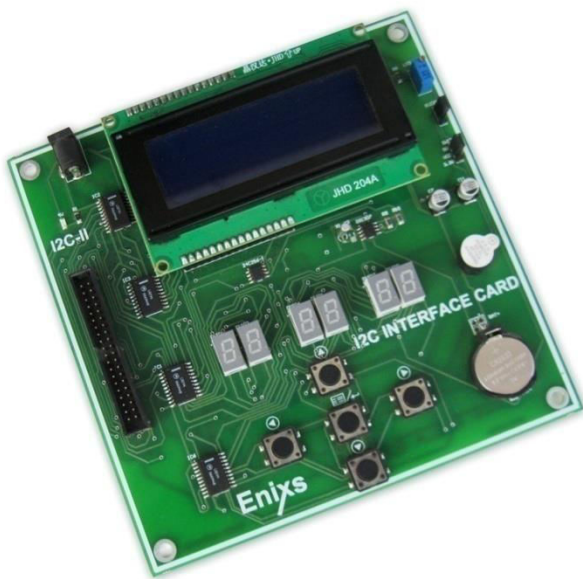


I2C INTERFACE CARD

I2C - II

Introduction

The I2C interface card - I has designed to interface a DS1307 Real-time Clock device and AT24C256 EEPROM using I2C protocol. The board is having 16x2 LCD to display seconds, minutes, hours, day, month and year and it also have 7 segment display to display the time. By using the push button switches one can easily edit and set the time, date and alarm. It has been designed with standard 40 pin GPIO connector to interface with different target boards.



Board Specification

- Onboard RTC - DS1307
- Onboard EEPROM - AT24C256
- 16x2 LCD
- 7 Segment Display
- Push button for clock setting
- Buzzer for alarm
- Onboard Battery Backup
- 40 Pin standard GPIO Interface

Compatible Interface

- FC-01 FPGA Development Board.
- CM-01 CPLD Development board.
- EM-03 Embedded Development Board NXP-89V51RD2.
- EM-04 Embedded Development Board ARM-LPC2148.
- EM-05 Embedded Development Board PIC-16F877A.

