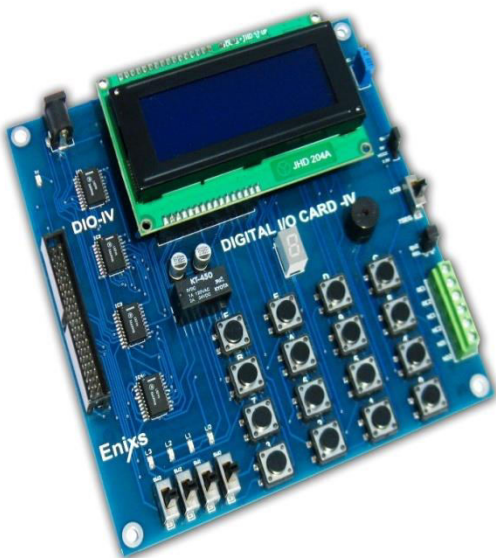


# DIGITAL I/O INTERFACE CARD DIO IV

## Introduction

The Digital I/O card-IV has designed to interface with Embedded & FPGA development boards to practice the basic concepts of I/O operation using LED, LCD, 7 Segment Display, 4X4 keypad matrix, Relay, Buzzer and slide switch interfaces. These I/O modules offer good reliability, low-cost solution for distributed I/O applications. It has been designed with standard 40 pin GPIO connector to interface with different target boards.



## Board Specification

- 4 X 4 Keypad Matrix Interface
- 20 x 4 Liquid Crystal Display Interface
- 7 Segment Display Interface
- 5V Solid State Relay Interface
- Buzzer Interface
- LED Interface
- Slide Switch Interface
- 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.

