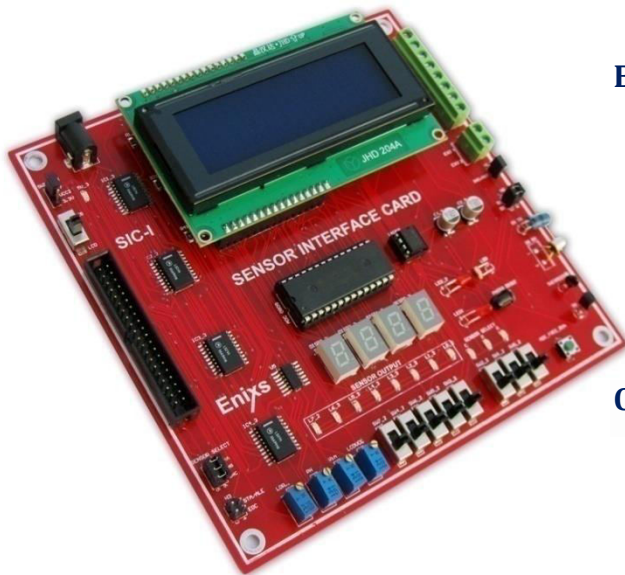# SENSOR INTERFACE CARD
SIC I

Introduction

The Sensor Interface Card has designed to study the operations of sensors such as photo diode, LDR, Thermistor, LM35 and IR sensors. All the sensors can be interfaced simultaneously through the multi-channel ADC 0809. The outputs can be viewed using LED, 20x4 LCD and Seven segment displays. This interface card is compatible to interface with Embedded, FPGA development boards through standard 40 pin GPIO connectors.

Board Specification

- Light sensors such as Photodiode and LDR to detect light.
- Temperature sensors Thermistor & LM35 to calculate the temperature
- Distance sensor to measure the distance of the object.
- It can be work as stand-alone mode and in programming mode.

On board 8 channel ADC 0809

- On board input /output devices
- 20X4Dot matrix LCD to display output
- Eight LEDs to display output
- Eight slide switches for giving inputs to target boards
- Seven segment for displaying the output.

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.

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