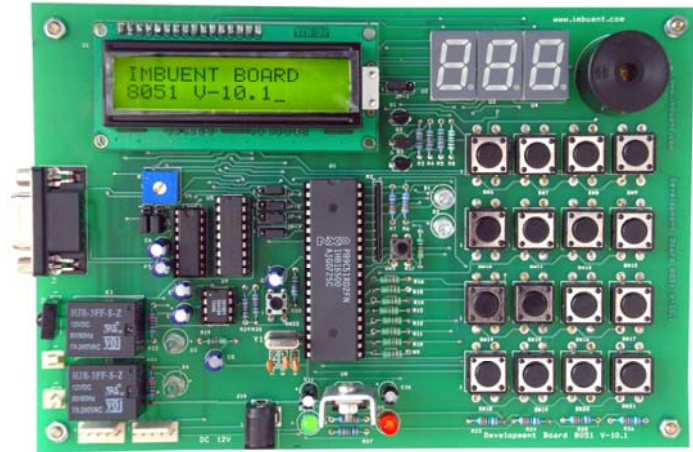


IMBUENT 8051 DEVELOPMENT BOARD

Overview

The Imbuent 8051 Development Board allows you understanding of Embedded System on 8051 from basic level to Complex level. This board is well for Hobbyist and Students. Learn 8051 Programming and Code Development the quick and easy way, on this Educational/Training Board. The 8051 Educational board incorporates a P89V51RD2xx NXP Microcontroller with 64k of In-System Flash Memory. This board has so many basic Interfaces which helps you for quick and easy development



Specifications

- MCU: P89V51RD2xx 40 Pin DIP
 - 0 MHz to 40 MHz operating frequency in 12x mode
20 MHz in 6x mode
 - 16/32/64 kB of on-chip flash user-code memory with ISP and IAP
 - 1 kB RAM
 - SPI (Serial Peripheral Interface) and enhanced UART
 - PCA (Programmable Counter Array) with PWM and capture/compare functions
 - Three 16-bit timers/counter
- In-System Programming (ISP)
- On- Serial Interface with D-Type Female Connector
- 4 x 4 Matrix Keyboard
- 16 x 2 Alphanumeric LCD
- Three Multiplexed 7-Segment Displays
- Two 12V Output Relays
- Buzzer
- Stepper Motor
- 24C02 2K Memory
- 64 KB of on-chip flash user code memory with ISP with 1 KB RAM
- Some I/O pins connected to headers for easy external connections

ISP Support No Need of Programmer

Due to In-System Programming, flash memory can be programmed via serial port.

So there is no need of programmer. This is ideal for learner, and development phase.

Deliverables include

- ▲ 8051 Development Board
- ▲ Power Supply Adaptor
- ▲ Serial Cable
- ▲ CD with Sample Programs



IMBUENT CONSULTANCY & SERVICES

26, Gurcharan Park New Model Town Ludhiana-141002 PUNJAB India **Contact No:** +91-161-2773311 **Email:** info@imbuent.com