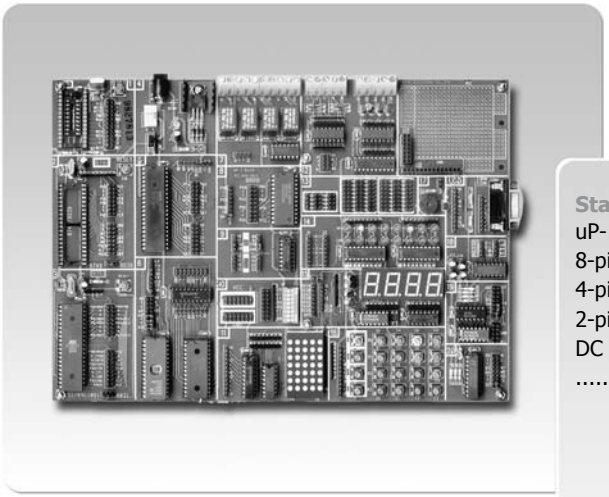
uP-1

MCS-51/PIC MCU Experimental Board

Introduction

Taking the microcontroller as the main system platform is necessary for engineers when learning, designing, assembling, and practicing C languages. uP-1 is powerful enough to provide the 51 series along with PIC series units to boost users' researches.



Standard Accessories

uP-1 Main board.....x1
8-pin cable.....x4
4-pin cable.....x4
2-pin cable.....x8
DC 9V/500mA power adaptor x1

Features

- Application may be applied towards experimenting MCS51 / PIC/ AVR series.
- Compatible with any other manufacturer's emulation systems.
- Designed with individual CPU and separate interface.
- Users can use serial cables to develop different circuits.
- 429 holes on universal testing board to develop various applications and experiments.
- Soldering not required.
- Power supply: DC 9V/500mA adaptor or DC power supply in 5V.
- Attached with a manual explaining how to experiment with MCS-51 and PIC series, in addition providing over 20 circuit experiments.

Specification

Communication	Printer Port
Power	9V DC Adaptor / 5V DC Extend Power Pin
Dimension	28cm x 20cm x 2.1cm
Weight	600g

Other Specification

uP-1 Circuit Test

- PIC 16 series IC socket
- 8751/8752 series IC socket
- Power supply
- 8255 IC circuit
- Extended EPROM and SRAM circuit
- Relay circuit
- 8243 IC circuit
- 74139 decoder IC circuit
- DIP switches circuit
- Dot matrix LEDs display
- OPTO device circuit
- Expanded area
- 8 LEDs output.
- 4 digits 7 segment display circuit
- DIP switches circuit
- Buzzer output circuit
- RS-232 serial port circuit
- D/A circuit
- A/D circuit
- LCD connector
- 9 pin D-type connector
- 429 holes universal testing board

uP-1 applications

- Simple LEDs output and touch switch
- Single or double unit traffic light control
- LEDs display
- Extended EPROM
- Extended SDRAM
- 8243 I/O Extended IC socket
- 7 segment displays
- Relay control
- 4 x 4 array keyboard
- Timer
- Counter
- Serial I/O
- LCD display control
- OPTO input and output device
- Analog-to digital conversion
- DIP switches setup
- A/D and D/A converter
- 8255 I/O Extended IC
- LCD output application (LCD for optional accessory)
- RS-232 connection
- Multi I/O decoder
- 5 x 7 dot matrix display application