

2- Microprocessor Trainer Kit

M85-01 8085 MICROPROCESSOR TRAINING KIT (LED ver.)

- Based on 8085 CPU operating at 6.144 MHz.
- 8K bytes of Powerful Monitor Program using 27512 EPROM
- 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
- On-board one memory expansion up to 56KB.
- Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
- 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
- RS-232C interface through SID/SOD lines.
- Two mode of commands:
 - Hex Key pad Mode
 - Serial Mode
- 28 keys hexadecimal keyboard and six seven segment display using 8279
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through hex keyboard or PC serial mode.
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs

M85-02 8085 MICROPROCESSOR TRAINING KIT (LED ver.)

- Based on 8085 CPU operating at 6.144 MHz.
- 8K bytes of Powerful Monitor Program using 27512 EPROM
- 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
- On-board one memory expansion up to 56KB.
- Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
- 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
- 22 I/O lines provided through 8155 brought at 26 Pins FRC Connector.
- RS-232C interface through SID/SOD lines
- Two mode of commands: - Hex Key pad Mode
 - Serial Mode
- 28 keys hexadecimal keyboard and six seven segment display using 8279
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through hex keyboard or PC serial mode.

- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs
- **M85-03 8085 MICROPROCESSOR TRAINING KIT (LED ver.)**
- Based on 8085 CPU operating at 6.144 MHz.
- 8K bytes of Powerful Monitor Program using 27512 EPROM
- 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
- On-board one memory expansion up to 56KB.
- Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
- 48 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
- RS-232C interface through SID/SOD lines brought out on a 9-Pin D- Type connector.
- Two mode of commands:
 - Hex Key pad Mode
 - Serial Mode
- 28 keys hexadecimal keyboard and six seven segment display using 8279.
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through hex keyboard or PC serial mode.
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs

OPTIONAL

- EPROM PROGRAMMER (Interface Module) FOR 27SERIES viz. 2716, 2732, 2764, 27128, 27256, 275
- **M85-04 8085 MICROPROCESSOR TRAINING KIT (LCD ver.)**
- Based on 8085 CPU operating at 6.144 MHz.
- 8K bytes of Powerful Monitor Program using 27512 EPROM
- 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
- On-board one memory expansion up to 56KB.
- Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.

- 48 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
- RS-232C interface through SID/SOD lines
- Two mode of commands:
 - ASCII Key pad Mode
 - Serial Mode
- 20x2 Alphanumeric LCD Display with Backlite.
- 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through ASCII keyboard or PC serial mode.
- On board Single Line Assembler / Disassembler
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs

OPTIONAL

- EPROM PROGRAMMER FOR 27SERIES viz. 2716, 2732, 2764, 27128, 27256, 27512
 - **M85-06 8085 MICROPROCESSOR TRAINING KIT (LED ver.)**
- Based on 8085 CPU operating at 6.144 MHz.
- 8K bytes of Powerful Monitor Program using 27512 EPROM
- 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
- On-board one memory expansion up to 56KB.
- Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
- 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
- 22 I/O lines provided through 8155 brought at 26 Pins FRC Connector.
- On-board Interrupt Controller using 8259 terminated on 26 pin FRC Connector.
- On-board USART using 8251 terminated on a 9 pin D-Type Connector.
- RS-232C interface through SID/SOD lines brought out on 9-Pin D-Type connector.
- Two mode of commands:
 - Hex Key pad Mode
 - Serial Mode
- 28 keys hexadecimal keyboard and six/eight seven segment display using 8279 brought out at 26 Pins FRC Connector
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through hex keyboard or PC serial mode.
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.

- All ICS are mounted on IC Sockets.
- Bare Board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA.
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs.

OPTIONAL

- Real Time Clock using RTC6242
- EPROM PROGRAMMER FOR 27SERIES viz. 2716, 2732, 2764, 27128, 27256, 27512
- Onboard ADC using ADC 0809, DAC using DAC 0800, One SPDT Relay, One Opto-coupler using MCT 2E
- **M85-07 8085 ADVANCE MICROPROCESSOR TRAINING KIT (LCD ver.)**
 - Based on 8085 CPU operating at 6.144 MHz.
 - 8K bytes of Powerful Monitor Program using 27512 EPROM
 - 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
 - On-board one memory expansion up to 56KB.
 - Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
 - 48 I/O lines provided using 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
 - RS-232C interface through SID/SOD lines brought out on a 9-Pin D- Type connector.
 - Two mode of commands:
 - ASCII Key pad Mode
 - Serial Mode
 - >20x2 Alphanumeric LCD Display with Backlite.
 - 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
 - On-board EPROM Programmer for 27 series viz. 2716, 2732, 2764, 27128, 27256, 27512.
 - On-board Printer Interface provided on 25 pin D-Type Connector to interface with DOT MATRIX Printer.
 - On-board Interrupt Controller using 8259 terminated on 26 pin FRC Connector.
 - On-board USART using 8251 terminated on a 9 pin D-Type Connector.
 - On-board 1 Channel SPDT Relay terminated on a 10 pin FRC Connector.
 - On-board 1 Channel Opto Coupler using MCT2E terminated on 10 pin FRC Connector.
 - On-board 8 Channel 8 bit ADC using ADC0809 terminated on 26 pin FRC Connector.
 - On-board 1 Channel 8 bit D/A using DAC0800 terminated on 26pin FRC Connector.
 - On-board Speaker Interface brought out on 2mm banana connector.
 - Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through ASCII keyboard or PC serial mode.
 - On Board Single Line Assembler / Disassembler
 - Facility for Downloading/Uploading files from/to PC.
 - All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
 - All ICS are mounted on IC Sockets.

- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/2A, ±12V/250mA
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs
- **Micro-85 8085 MICROPROCESSOR TRAINING KIT (LCD Ver.)**
- Based on 8085 CPU operating at 6.144 MHz.
- 8K bytes of Powerful Monitor Program using 27512 EPROM
- 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
- On-board one memory expansion up to 56KB.
- Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
- 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
- RS-232C interface through SID/SOD lines
- Two mode of commands:
 - ASCII Key pad Mode
 - Serial Mode
- 16x1 Alphanumeric LCD Display with Backlite.
- 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through ASCII keyboard or PC serial mode.
- On board Single Line Assembler / Disassembler
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs
- **M86-01 8086/8088 MICROPROCESSOR TRAINING KIT**
- 8086/8088 CPU operating at 2.5/5MHz
- 8086 Processor can be replaced by 8088 Processor
- On-board sockets provided to facilitate the use of 8087 Co-processor and 8089 I/O Processor
- 16K bytes of RAM using two nos. of 6264 with Battery Backup expandable up to 256KB.
- 16K bytes of powerful monitor EPROM using two nos. of 27512
- 72 I/O lines through 3 nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series.
- 16 bit Timer/Counter through 8253 brought out at 20 Pins FRC Connector.
- RS-232C interface using 8251 brought out at 9 Pins D-Type Connector.

- On-board Interrupt controller using 8259 brought out at 20 Pins FRC Connector.
- 28 keys hexadecimal keyboard and eight seven segment display using 8279
- Two modes of operation:
 - Keyboard Mode
 - Serial Mode
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move can be used through hex keyboard or PC serial mode.
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/2A, ±12V/250mA
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs

OPTIONAL

- PRINTER INTERFACE to interface with DOT MATRIX Printer
- Provision for EPROM Programmer for 2732/2764/27256
- **M86-02 8086/8088 MICROPROCESSOR TRAINING KIT WITH LCD DISPLAY & 101 ASCII KEYBOARD**
- 8086/8088 CPU operating at 2.5/5MHz
- 8086 Processor can be replaced by 8088 Processor
- On-board sockets provided to facilitate the use of 8087 Co-processor and 8089 I/O Processor
- 16K bytes of RAM using two nos. of 6264 with Battery Backup expandable up to 256KB.
- 16K bytes of powerful monitor EPROM using two nos. of 27512
- 72 I/O lines through 3 nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series
- 16 bit Timer/Counter through 8253 brought out at 20 Pins FRC Connector.
- RS-232C interface using 8251 brought out at 9 Pins D-Type Connector.
- On-board Interrupt controller using 8259 brought out at 20 Pins FRC Connector.
- 20x2 Alphanumeric LCD Display with Backlite.
- 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Break Point can be used through ASCII keyboard.
- On-board Single Line Assembler / Disassembler
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/2A, ±12V/250mA

- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- User's Manual with sample programs

OPTIONAL

- PRINTER INTERFACE to interface with DOT MATRIX Printer
- Real Time Clock using RTC6242
- PROVISION FOR EPROM PROGRAMMER FOR 2764 / 27128 / 27256