SALICON
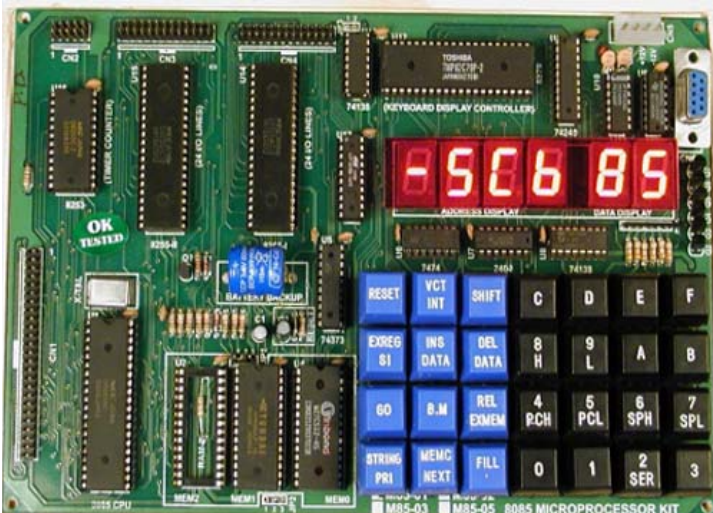
.....a total solution for Educational Labs

M85-01
8085 Microprocessor Trainer Kit

M85-01 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display and Keyboard for Man to Machine Interface.

Features
1. *8K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *24 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.*
3. *Seven Segment Display with 28 Keys Hex Keypad.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications
1. Based on 8085 CPU operating at 6.144 Mhz.
2. 8K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
4. 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
5. RS-232C interface through SID/SOD lines
6. Two mode of commands:
   - Hex Key pad Mode
   - Serial Mode
7. Six Digit Seven Segment Display using 8279.
8. 28Key's Hex Keypad using 8279 Keyboard Display Controller.
9. 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.
10. Facility for Downloading/Uploading files PC.
11. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
12. All ICS are mounted on IC Sockets.
13. Bare board Tested Glass Epoxy SMOBC PCB is used.
14. In-Built Power Supply of +5V/1.5A, ±12V/250mA
15. Attractive Wooden enclosures of Light weight Australian Pine Wood.
16. User's Manual with sample programs.
17. 270mm x 185mm x 105mm (L x W x H).
18. Weight 3 Kgs.

Optional
1. PRINTER INTERFACE to interface with DOT MATRIX Printer
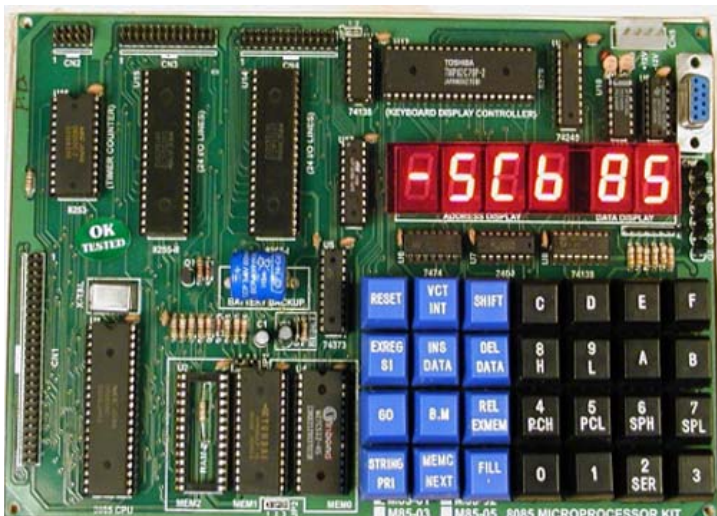
Salicon Nano Technology Pvt. Ltd.

111, 1st Floor, Laxmi Deep Tower, Laxmi Nagar District Center,
Delhi - 110092, INDIA, Tel: 91-11-22525940, 40618940;
Fax; 91-11-22525941: E-mail: info@salicontech.com; Web: www.salicontech.com

SALICON

M85-02
8085 Microprocessor Trainer Kit

M85-02 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display and Keyboard for Man to Machine Interface.

Features

1. *8K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *46 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.*
3. *Seven Segment Display with 28 Keys Hex Keypad.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications

1. Based on 8085 CPU operating at 6.144 Mhz.
2. 8K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
4. 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
5. 22 I/O lines provided through 8155 brought out at 26 Pins FRC Connector .
6. RS-232C interface through SID/SOD lines
7. Two mode of commands:
   - Hex Key pad Mode
   - Serial Mode
8. Six Digit Seven Segment Display using 8279.
9. 28Key's Hex Keypad using 8279 Keyboard Display Controller.
10. 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.
11. Facility for Downloading/Uploading files PC.
12. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
13. All ICS are mounted on IC Sockets.
14. Bare board Tested Glass Epoxy SMOBC PCB is used.
15. In-Built Power Supply of +5V/1.5A, ±12V/250mA
16. Attractive Wooden enclosures of Light weight Australian Pine Wood.
17. User's Manual with sample programs.
18. 270mm x 185mm x 105mm (L x W x H).
19. Weight 3 Kgs.

Optional

1. PRINTER INTERFACE to interface with DOT MATRIX Printer

Salicon Nano Technology Pvt. Ltd.

SALICON

M85-03
8085 Microprocessor Trainer Kit

M85-03 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display and Keyboard for Man to Machine Interface.

Features

1. *8K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.*
3. *Seven Segment Display with 28 Keys Hex Keypad.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications

1. Based on 8085 CPU operating at 6.144 Mhz.
2. 8K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
4. 48 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
5. RS-232C interface through SID/SOD lines
6. Two mode of commands:
    - Hex Key pad Mode
    - Serial Mode
7. Six Digit Seven Segment Display using 8279.
8. 28Key's Hex Keypad using 8279 Keyboard Display Controller.
9. 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.
10. Facility for Downloading/Uploading files PC.
11. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
12. All ICS are mounted on IC Sockets.
13. Bare board Tested Glass Epoxy SMOBC PCB is used.
14. In-Built Power Supply of +5V/1.5A, ±12V/250mA
15. Attractive Wooden enclosures of Light weight Australian Pine Wood.
16. User's Manual with sample programs.
17. 270mm x 185mm x 105mm (L x W x H).
18. Weight 3 Kgs.

Optional

1. PRINTER INTERFACE to interface with DOT MATRIX Printer

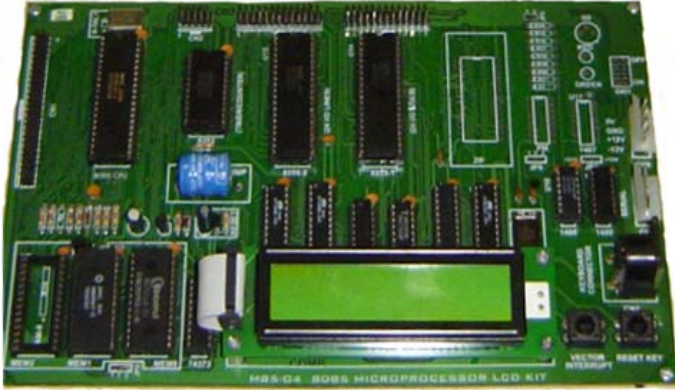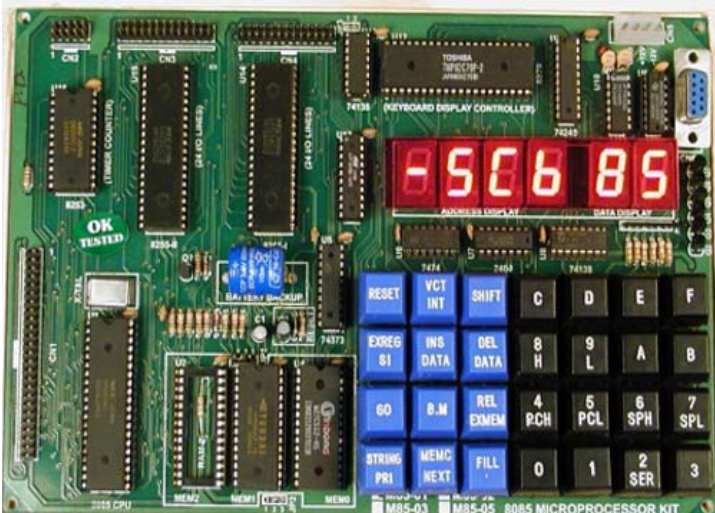
Salicon Nano Technology Pvt. Ltd.

111, 1st Floor, Laxmi Deep Tower, Laxmi Nagar District Center,
Delhi - 110092, INDIA, Tel: 91-11-22525940, 40618940;
Fax; 91-11-22525941: E-mail: info@salicontech.com; Web: www.salicontech.com

SALICON

M85-04
8085 Microprocessor Trainer Kit

M85-04 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display and Keyboard for Man to Machine Interface.

Features

1. *16K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.*
3. *20x2 LCD Display with 101 ASCII Keyboard.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications

1. Based on 8085 CPU operating at 6.144 Mhz.
2. 16K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
4. 48 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
5. RS-232C interface through SID/SOD lines
6. Two mode of commands:
   - ASCII Key pad Mode
   - Serial Mode
7. 20x2/20x4/40x2 Alphanumeric LCD Display with Backlite.
8. 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
9. 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.
10. On board Single Line Assembler / Disassembler
11. Facility for Downloading/Uploading files PC.
12. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
13. All ICS are mounted on IC Sockets.
14. Bare board Tested Glass Epoxy SMOBC PCB is used.
15. In-Built Power Supply of +5V/1.5A, ±12V/250mA
16. Attractive Wooden enclosures of Light weight Australian Pine Wood.
17. User's Manual with sample programs.
18. 270mm x 185mm x 105mm (L x W x H).
19. Weight 3 Kgs.

Optional

1. On-board EPROM Programmer for 2716,2732, 2764, 27128, 27256, 27512.
2. PRINTER INTERFACE to interface with DOT MATRIX Printer

Salicon Nano Technology Pvt. Ltd.

M85-05
8085 Microprocessor Trainer Kit

M85-05 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display and Keyboard for Man to Machine Interface.

Features

1. *8K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.*
3. *Seven Segment Display with 28 Keys Hex Keypad.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications

1. Based on 8085 CPU operating at 6.144 Mhz.
2. 8K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
4. 48 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series. .
5. RS-232C interface through SID/SOD lines
6. Two mode of commands:
     - Hex Key pad Mode
     - Serial Mode
7. Six Digit Seven Segment Display using 8279.
8. 28Key's Hex Keypad using 8279 Keyboard Display Controller.
9. EPROM Programmer Module for 2716,2732, 2764, 27128, 27256, 27512 .
10. 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.
11. Facility for Downloading/Uploading files PC.
12. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
13. All ICS are mounted on IC Sockets.
14. Bare board Tested Glass Epoxy SMOBC PCB is used.
15. In-Built Power Supply of +5V/1.5A, ±12V/250mA
16. Attractive Wooden enclosures of Light weight Australian Pine Wood.
17. User's Manual with sample programs.
18. 270mm x 185mm x 105mm (L x W x H).
19. Weight 3 Kgs.

Optional

1. PRINTER INTERFACE to interface with DOT MATRIX Printer

Salicon Nano Technology Pvt. Ltd.

M85-06
8085 Microprocessor Trainer Kit

M85-06 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display and Keyboard for Man to Machine Interface.

Features

1. *8K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *46/48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface. Interrupt Controller, USART, RTC.*
3. *Seven Segment Display with 28 Keys Hex Keypad.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications

1. Based on 8085 CPU operating at 6.144 Mhz.
2. 8K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
4. 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
5. 22/24 I/O lines provided through 8155 brought out at 26 Pins FRC Connector .
6. RS-232C interface through SID/SOD lines
7. Two mode of commands:
   - Hex Key pad Mode
   - Serial Mode
8. Six/Eight Digit Seven Segment Display using 8279.
9. On-board 8 Channel Interrupt using 8259.
10. On-board Auxillary Serial using 8251 USART brought out at 9 pin D-type connector.
11. 28Key's Hex Keypad using 8279 Keyboard Display Controller.
12. 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.
13. Facility for Downloading/Uploading files PC.
14. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
15. All ICS are mounted on IC Sockets.
16. Bare board Tested Glass Epoxy SMOBC PCB is used.
17. In-Built Power Supply of +5V/1.5A, ±12V/250mA
18. Attractive Wooden enclosures of Light weight Australian Pine Wood.
19. User's Manual with sample programs.
20. 295mm x 210mm x 105mm (L x W x H).
21. Weight 3 Kgs.

Optional

1. EPROM Programmer Module for 2716,2732, 2764, 27128, 27256, 27512.
2. On-Board Real Time Clock using RTC-6242
3. PRINTER INTERFACE to interface with DOT MATRIX Printer

M85-06AD
8085 Microprocessor Trainer Kit

M85-06 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display and Keyboard for Man to Machine Interface.

Features

1. *8K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *46/48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface. Interrupt Controller, USART, ADC, DAC, RELAY, OPTO, RTC.*
3. *Seven Segment Display with 28 Keys Hex Keypad.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications

1. Based on 8085 CPU operating at 6.144 Mhz.
2. 8K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253
4. 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
5. 22/24 I/O lines provided through 8155/8255.
6. RS-232C interface through SID/SOD lines
7. Two mode of commands:
   - Hex Key pad Mode
   - Serial Mode
8. Six/Eight Digit Seven Segment Display using 8279.
9. On-board 8 Channel Interrupt using 8259.
10. On-board Auxillary Serial using 8251 USART brought out at 9 pin D-type connector.
11. On-board 8 Channel ADC using ADC0809.
12. On-board 1 Channel DAC using DAC-0800.
13. On-board SPDT Relay
14. On-board OPTO Isolator.
15. 28Key's Hex Keypad using 8279 Keyboard Display Controller.
16. 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.
17. Facility for Downloading/Uploading files PC.
18. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
19. All ICS are mounted on IC Sockets.
20. Bare board Tested Glass Epoxy SMOBC PCB is used.
21. In-Built Power Supply of +5V/1.5A, ±12V/250mA
22. Attractive Wooden enclosures of Light weight Australian Pine Wood.
23. User's Manual with sample programs.
24. 295mm x 210mm x 105mm (L x W x H).
25. Weight 3 Kgs.

Optional

1. EPROM Programmer Module for 2716,2732, 2764, 27128, 27256, 27512.
2. On-Board Real Time Clock using RTC-6242
3. PRINTER INTERFACE to interface with DOT MATRIX Printer

M85-07
8085 Microprocessor Trainer Kit

M85-07 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, 16x1 LCD Display and Keyboard for Man to Machine Interface.

Features

1. *16K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface, ADC, DAC, Relay, Opto, Interrupt Controller, USART, EPROM Programmer.*
3. *20x2 LCD Display with 101 ASCII Keyboard.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*
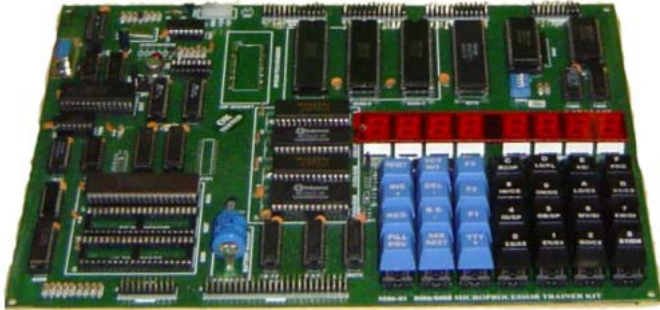
Specifications

Based on 8085 CPU operating at 6.144 Mhz.
16K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
4. 48 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
6. RS-232C interface through SID/SOD lines
7. Two mode of commands:
   - ASCII Key pad Mode
   - Serial Mode
8. 20x2/20x4/40x2 Alphanumeric LCD Display with Backlite.
9. 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
10. On-board 8 Channel ADC using ADC0809.
11. On-board 1 Channel DAC using DAC-0800.
12. On-board SPDT Relay
13. On-board OPTO Isolator.
14. On-board 8 Ch. Interrupt Controller using 8259
15. On-board AUX. Serial using 8251 USART brought at 9 pin D-Type Connector.
16. On-board EPROM Programmer for 2716, 2732, 2764, 27128, 27256, 27512.
17. On-board Dot-Matrix Printer Interface brought at 25 Pin D-Type Connector.
18. 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.
19. On board Single Line Assembler / Disassembler
20. Facility for Downloading/Uploading files from/to PC.
21. All address, data & control lines aare available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
22. All ICS are mounted on IC Sockets.
23. Bare board Tested Glass Epoxy SMOBC PCB is used.
24. In-Built Power Supply of +5V/1.5A, ±12V/250mA
25. Attractive Wooden enclosures of Light weight Australian Pine Wood.
26. User's Manual with sample programs.
27. 315mm x 245mm x 105mm (L x W x H).
28. Weight 3 Kgs.

SALICON

M86-01
8086 Microprocessor Trainer Kit

M86-01 is a single board Microprocessor Trainer Kit based on 16 bit 8086 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display and Keyboard for Man toMachine Interface.

Features

1. *16K Bytes of EPROM with 16K bytes of Battery Backup RAM.*
2. *72 I/O Lines, Three Channel Timer/Counter, PC Serial Interface using USART, Interrupt Controller.*
3. *Seven Segment Display with 28 Keys Hex Keypad.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications

1. 8086/8088 CPU operating at 2.5/5MHz.
2. 8086 Processor can be replaced by 8088 Processor

1. On-board sockets provided to facilitate the use of 8087 Co-processor and 8089 I/O Processor
2. 16K bytes of RAM using two nos. of 6264 with Battery Backup expandable up to 256KB.
3. 16K bytes of powerful monitor EPROM using two nos. of 27512
4. 72 I/O lines through 3 nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series.
5. 16 bit Timer/Counter through 8253 brought out at 20 Pins FRC Connector.
6. RS-232C interface using 8251 brought out at 9 Pins D-Type Connector.
7. On-board Interrupt controller using 8259 brought out at 20 Pins FRC Connector.
8. 28 keys hexadecimal keyboard and eight seven segment display using 8279
9. Two modes of operation:
   Keyboard Mode
   Serial Mode
10. Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move can be used through hex keyboard or PC serial mode.
11. Facility for Downloading/Uploading files from/to PC.
12. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
13. All ICS are mounted on IC Sockets.
14. Bare board Tested Glass Epoxy SMOBC PCB is used.
15. In-Built Power Supply of +5V/2A, ±12V/250mA
16. Attractive Wooden enclosures of Light weight Australian Pine Wood.
17. User's Manual with sample programs.
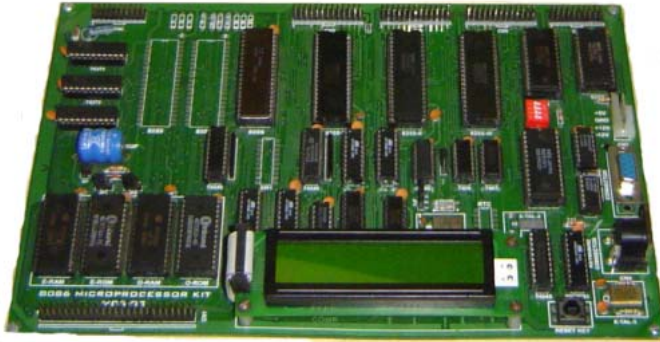18. 290mm x 210mm x 105mm (L x W x H).
19. Weight 3 Kgs.

Optional

1. PRINTER INTERFACE to interface with DOT MATRIX Printer
2. On-board EPROM Programmer for 2732/2764/27256

Salicon Nano Technology Pvt. Ltd.

SALICON

.....a total solution for Educational Labs

M86-02
8086 Microprocessor Trainer Kit

M86-02 is a single board Microprocessor Trainer Kit based on 16 bit 8086 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, LCD Display and Keyboard for Man to Machine Interface.

Features
1. *16K Bytes of EPROM with 16K bytes of Battery Backup RAM.*
2. *72 I/O Lines, Three Channel Timer/Counter, PC Serial Interface using USART, Interrupt Controller.*
3. *20x2 LCD Display with 101 ASCII Keyboard.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications
1. 8086/8088 CPU operating at 2.5/5MHz.
2. 8086 Processor can be replaced by 8088 Processor

1. On-board sockets provided to facilitate the use of 8087 Co-processor and 8089 I/O Processor
2. 16K bytes of RAM using two nos. of 6264 with Battery Backup expandable up to 256KB.
3. 16K bytes of powerful monitor EPROM using two nos. of 27512
4. 72 I/O lines through 3 nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series.
5. 16 bit Timer/Counter through 8253 brought out at 20 Pins FRC Connector.
6. RS-232C interface using 8251 brought out at 9 Pins D-Type Connector.
7. On-board Interrupt controller using 8259 brought out at 20 Pins FRC Connector.
8. 20x2/40x2/20x4 Alphanumeric LCD Display with Backlite
9. 101 ASCII Keyboard interface using 89c2051 operating @ 12MHz
10. Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move can be used through hex keyboard or PC serial mode.
11. On-board Single Line Assembler & Disassembler.
12. Facility for Downloading/Uploading files from/to PC.
13. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
14. All ICS are mounted on IC Sockets.
15. Bare board Tested Glass Epoxy SMOBC PCB is used.
16. In-Built Power Supply of +5V/2A, ±12V/250mA
17. Attractive Wooden enclosures of Light weight Australian Pine Wood.
18. User's Manual with sample programs.
19. 315mm x 245mm x 105mm (L x W x H).
20. Weight 3 Kgs.

Optional
1. PRINTER INTERFACE to interface with DOT MATRIX Printer
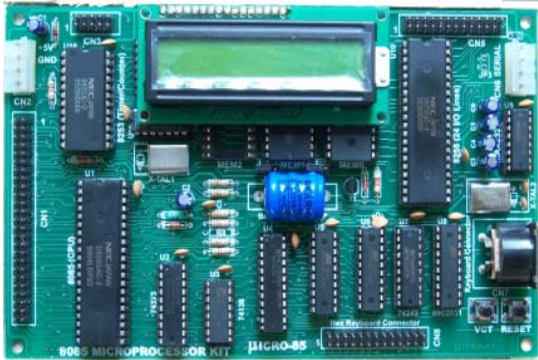2. On-board Real Time Clock using RTC-6242

Salicon Nano Technology Pvt. Ltd.

Micro-85
8085 Microprocessor Trainer Kit

MICRO-85 is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, 16x1 LCD Display and Keyboard for Man to Machine Interface.

Features

1. *8K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
2. *24 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.*
3. *16x1 LCD Display with 101 ASCII Keyboard.*
4. *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
5. *Uploading & Downloading to and from PC in Windows98/XP/NT.*
6. *In-Built Power Supply.*

Specifications

1. Based on 8085 CPU operating at 6.144 Mhz.
2. 8K bytes of Powerful Monitor Program using 27512 EPROM

1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
2. On-board one memory expansion up to 56KB.
3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
4. 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series. .
5. RS-232C interface through SID/SOD lines
6. Two mode of commands:
   - ASCII Key pad Mode
   - Serial Mode
7. 16x1 Alphanumeric LCD Display with Backlite.
8. 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
9. 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.
10. On board Single Line Assembler / Disassembler
11. Facility for Downloading/Uploading files PC.
12. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
13. All ICS are mounted on IC Sockets.
14. Bare board Tested Glass Epoxy SMOBC PCB is used.
15. In-Built Power Supply of +5V/1.5A, ±12V/250mA
16. Attractive Wooden enclosures of Light weight Australian Pine Wood.
17. User's Manual with sample programs.
18. 230mm x 140mm x 80mm (L x W x H)
19. Weight 3 Kgs.

Optional

1. PRINTER INTERFACE to interface with DOT MATRIX Printer