Serial Port

Power Supply

SPI Bus

Target Hardware

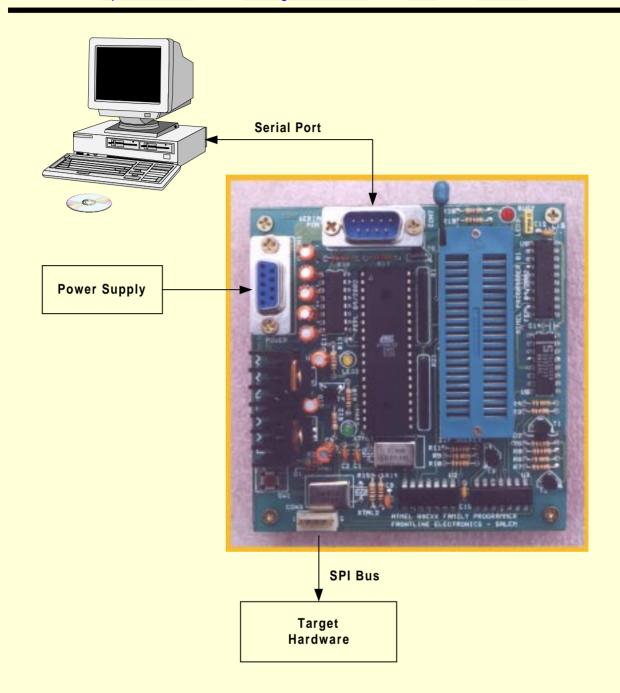**Bundle Contents:**

● Topview Programmer PCB. ● CDROM with programmer software and other useful documents and software. ● Power Supply. ● Serial Port Communicating Cable. ● SPI Programming Cable for Target Application. ● User Manual.

Specifications

Topview Device Programmer supports all the devices in 8031 family of Atmel, AT89CXX. The programmer supports both parallel and SPI programming for user's convenience. A powerful windows based GUI facility is available. Apart from this, many new features are made available to make the programming task an easy one.

Features:

- Supported Devices:

  20 Pins:
  AT89C1051, AT89C1051U, AT89C2051, AT89C4051.

  40 Pins:
  AT89C51, AT89S51, AT89LV51, AT89LS51, AT89C52, AT89S52, AT89LV52, AT89LS52, AT89C55, AT89LV55, AT89S53, AT89LS53, AT89S8252, AT89LS8252

- Programmer can be connected to the PC through the serial port : COM1 to COM4

- Supports both Parallel and SPI Programming. Facility is available to program the device soldered in the target hardware through SPI bus. This facility is available in devices: AT89S51, AT89LS51, AT89S52, AT89LS52, AT89S8252, AT89LS8252, AT89S53, AT89LS53.

- A single 40 pin ZIF socket is there for programming both 20 pin and 40 pin devices.

- Programmer comes with suitable power supply and all relevant cables and is ready for usage immediately after opening the pack.

GUI Features:

- Software Maintains a separate buffer for both Flash and EEPROM memory areas of the target microcontroller.

- Hex or Binary file formats are supported in file access operations. You can also view memory contents as program lines.

- Software sports a Builtin single line Assembler to enable users edit/modify program lines without returning to their development tools.

- All standard functions like Chip Erase, Blank check, Program, Verify and Reading from the device and other file related operations, Fill, Load, Copy, Checksum are available for all devices.

- In the buffer operations, separate coloring facility is provided to indicate the source of program/data.

- Auto programming facility is provided to carryout all the programming tasks in a single shot to get fast programming for bulk production.

- Software enables the users select the protection type taking into account of different protection options available for 20 pin and 40 pin devices.

Specifications   Pricing Information   FAQ   Contact

Pricing Information

For International Customers:

The basic cost is $60.00 US.

Other expenses are extra as per actuals.

For Indian Customers:

The basic cost of the Topview programmer is Rs 2002/-.

Other Charges:

a. Sales Tax at actuals.

b. Packing (Rs 50/-).

c. Forwarding charges at actuals.

Total Cost of the Topview Programmer at Your Doorstep:

a. Basic Cost of the Topview Programmer   : Rs.2002.00

b. Sales Tax 12%   : Rs.240.24

c. Tamilnadu Customers - Add 5% S.C @ S.T : Rs.12.01

d. Packing Charges   : Rs.50.00

e. Forwarding Charges by GATI   : Rs.216.00

f. COD charges by GATI   : Rs.108.00

Total Cost :

For Tamilnadu (a+b+c+d+e+f)   : Rs.2628.25

Rounded off to   : Rs.2628.00

Rest of the Country (a+b+d+e+f)   : Rs.2616.24

Rounded off to   : Rs.2616.00

Note: Kindly check whether you need to submit a sales tax form when placing the order. If required, send the same in advance to speed up the delivery.

Frequently Asked Questions

1. What is the total cost of the programmer?

For Indian Customers:

The basic cost of the programmer is Rs 2002/-. Then you need to add sales tax (as applicable), Packing (Rs 50/-) and Forwarding charges at actuals.

For International Customers:

The basic cost is $60.00 US. Other expenses are extra as per actuals.

2. What are all the Payment options?

For Indian Customers:

Calculate and add the tax amount and packing and forwarding charges to the basic cost and send the Demand Draft in favor of " Frontline Electronics Pvt Ltd " payable in Salem.

We can also send the Programmer through a reliable courier service on COD basis.

For Institutions and Government Departments:

Send you enquiry to enable us to proceed further.

For International Customers:

Contact us for exact terms.

3. Is there any catch in Money back Guarantee?

Well. We don't expect to get any returns from you. If you face any difficulty in using the programmer, make sure you have read the user manual completely. Otherwise send an e-mail to us indicating exact nature of the problem to enable us to do the needful to sort out the issue.

We advice you to use this programmer few times to get the complete picture on the utility value.

If you still insist on returning the programmer, kindly indicate the reason behind your decision we always respect your decision.

FRONTLINE ELECTRONICS PVT LTD
1/255C - Thatha Gounder St, Kumaran Nagar, Alagapuram,
Salem - 636 016, Tamilnadu. India.
Phone : 0091 427 - 244 9238 / 243 1312. Fax : 0091 427 - 244 9010.
Email : feplslm@frontlinemail.com
www.frontline-electronics.com

Frequently Asked Questions

We don't accept any returns after 15 days of invoice for any reason. Before sending the programmer back to us, inform us in advance about the same. Send back the programmer in original packing and etc. you need to bear the cost of returning. The basic cost of the programmer will be returned to you on receipt of the materials in 1/2 weeks time.

Money back Guarantee is available only for Indian Customers.

International customers, kindly excuse us. The facility is not available to you for obvious reasons.

4. How Can I evaluate the programmer?

You can download the copy of programmer software and also the User Manual from our website: www.Frontline-Electronics.com.

You can use a reference data file to work around various facilities of the programmer.

5. What are all the contents of the complimentary CDROM?

- Software meant for the programmer.
- Cross Assembler for 8031 microcontrollers from Atmel.
- All Documentation meant for Atmel's 8031 microcontrollers.
- Evaluation copies of our other software tools.
- Electronic Book on the following topics authored by our Technical Director:
    " Embedded System Design "

6. Is there is any discount if I order more than one programmer?

Sorry. We don't allow any discount on the basic cost which is already kept at very attractive level.

As per our knowledge, you can't find a similar programmer for this price at anywhere.

7. **What about upgradation of software?**

The software is periodically upgraded to include new devices/new features. Kindly keep visiting our website as often as possible.

Most of the time, the upgrade will be given free of cost.

8. **What are other development tools available from Frontline Electronics?**

We are shortly going to launch an Integrated Development Environment suitable for developing target embedded applications in assembly language for 8031 microcontrollers. The IDE has an extensive support for Atmel's AT89CXX family devices.

The IDE contains a powerful Microcontroller simulation facilities and also a Remote Debugging features meant for designers with different levels of expertise.

You can also integrate this programmer into the IDE.

Kindly log into our website, www.Frontline-Electronics.com for more detailed presentation on this IDE.

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We keep all relevant information on 8031 Microcontroller Tools and Development Software packages in our website, www.frontline-electronics.com. You can download the required details for your reference.

You can also send an email to feplslm@frontlinemail.com for any specific information/clarification. Always it is our pleasure to take an extra step to meet your exact needs.

Our address : Frontline Electronics Pvt. Ltd.,
                      1/255C - Thatha Gounder St,
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