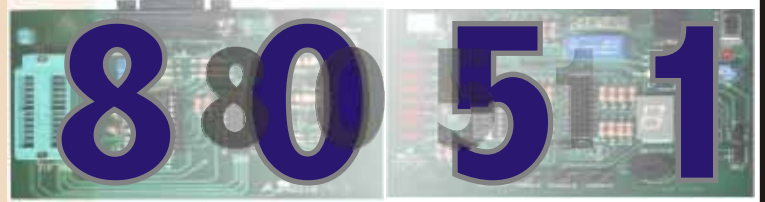


# ALEXAN ATMEL



## AT89C2051/AT89C4051 Programmer

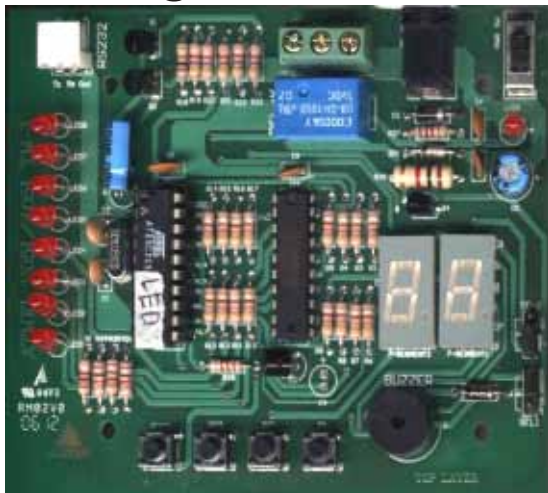


This module programs the **ATMEL AT89C2051** and **AT89C4051** microcontroller.

It has a comprehensive set of features that allows you to view, program, erase and secure the data of an **ATMEL 8051** microcontroller. Equipped with a computer-interface, the software allows you to:

1. Load or open hex files containing the code you want to program to the device.
2. Read the hex code from the device and store it in the program buffer for editing or saving.
3. View and edit the hex codes in the program buffer.
4. Save any changes made in the program buffer to a hex file For use with other devices.
5. Check the device ID.
6. Erase all the data in the device.
7. Blank check the device.
8. Program the hex codes found in the program buffer to the device
9. Verify the programmed hex code in the device
10. Protect the device from accidentally reprogramming by locking the device so that the code cannot be read from it.

## AT89C2051/AT89C4051 Training Module 1



The **2051 TM-1** is a helping tool in which you can explore the many features of a microcontroller. This module uses **ATMEL AT89C2051** and **AT89C4051** microcontroller (MCU). This training module has the following applications:

1. 3-External Switches
2. 7-Segment Display
3. Buzzer
4. LEDs
5. Relay
6. RS232 Serial Communication