

# JTAG / SPI / I2C Loader / Programmer “Easy Loader”

*Designed by Engineers for Engineers*

The “Easy Loader” (eLoader) is a multi-purpose programmer supporting JTAG, SPI, and I2C interfaces. The eLoader is ideal for in-circuit programming of FPGAs, CPLDs, or any other programmable logic devices like EEPROMs. It is a standalone device, meaning that once programmed it doesn't need a computer connection to operate. This makes it particularly useful for logic programming during board assembly. It's easy to use so minimal training is required for the personnel responsible for board-level component programming.

### **Standalone:**

The device does not require a computer connection during normal operation

### **Cost Effective:**

Provides an efficient solution to program/load CPLD/FPGA/EEPROM/Flash during manufacturing and helps to avoid the complicated process of preprogramming (revision, first article sign off, shipment, labeling etc)

### **Easy to use:**

Graphical user interface allows simple configuration of the “eLoader” through the Parallel or USB port of a standard PC

### **RoHS Friendly:**

RoHS compliant device that would not contaminate the production line

## Features:

- Supports target interface signals from 1.2V to 5V (JTAG, SPI, I2C)
- Powered from the target device from 1.2V to 5V
- Supports all major FPGA / CPLD vendors
- Supports Microchip/Silicon Labs MCPU programming
- Supports programming/loading of wide range of types and vendors I2C/SPI-based devices
- Supports connection to PC Terminal via RS-232 adapter or USB port
- Device configuration performed through a Parallel or USB port of a standard PC
- Field upgradeable firmware



The “eLoader” is designed to provide a flexible and cost effective solution for electronic device manufactures as well as for hardware design companies and their customers. It allows upgrading code on any JTAG/SPI/I2C compliant device like FPGA/CPLD/EEPROM/Flash etc at any time of development, testing or production.

Small size and ease of use make “eLoader” a unique device for the electronics manufacturing industry. Once configured using a PC, the eLoader is simply connected to the target board and begins programming after power up. An intuitive red/green LED interface indicates the operation status, making it ideal for any manufacturing line environment. Eliminate the need in preprogramming as code releases can be loaded momentarily just before a manufactured device is shipped to customers.

## Software

- Software package is available under Windows OS.