Z8 Encore!® and eZ80Acclaim!™

Smart Flash Programmer

Product Brief

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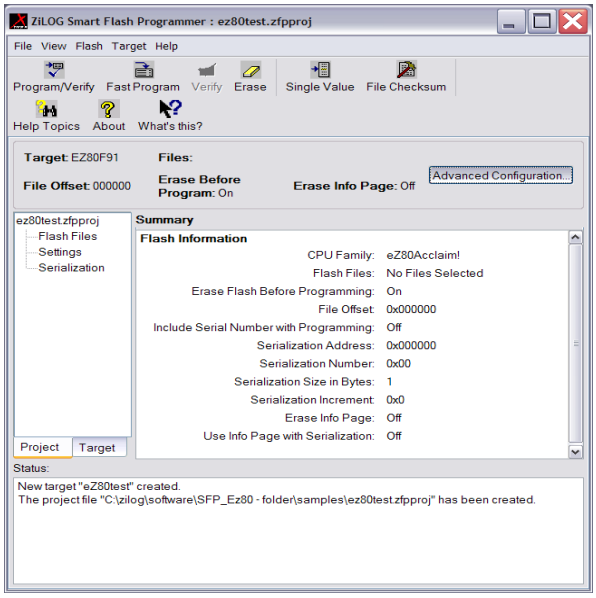

Overview

ZiLOG's Smart Flash Programmer, SFP, is an in-circuit Flash MCU software programming tool that supports Z8 Encore!®, Z8 Encore! XP™, and eZ80Acclaim!™ Flash microcontroller families. The SFP is intended for low-volume production programming and field service upgrades. The ZiLOG SFP is compatible with Microsoft Windows and supports the ZiLOG serial Smart Cables, the Ethernet ZPAK, and the USB Smart Cable communication devices. The SFP is a cost-effective tool to program both ZiLOG's Flash microcontrollers and selected external Flash memory devices (eZ80Acclaim!) through the target board's ZiLOG debug interface.

Features

- MS-Windows PC-based software Flash programming tool.
- Easy-to-use GUI for production environments.
- Two end-user configurations:
  - Simplified (for use in the production environment).
  - Advanced (for detailed SFP configuration).
- Supports Program and Verify or Fast Program modes.
- Calculates hex file checksums.
- Allows you to set up serialization for programming a Flash memory location with a unique number over a range of values:
  - Supports incremental serialization.
  - Supports hex, decimal, IP, and MAC serialization values.
- Enables multiple hex file programming.
- Uses hex files produced by ZiLOG's ZDS II IDE.
- Programs attached targets through the ZiLOG debug interface. Requires use of a serial Smart Cable, USB Smart Cable or Ethernet ZPAK (eZ80Acclaim!), all available separately from ZiLOG.
- Provides programming progress indication.
- (eZ80Acclaim! version) Supports external Flash memory devices from Micron, AMD, STMicro, and Atmel.

SFP Description

In a production environment, a manufacturing engineer uses the advanced SFP configuration interface to create project files. These project files store the SFP settings for Flash memory programming on a Z8 Encore! or eZ80Acclaim! target.

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Once a project is configured, factory technicians use the simplified SFP interface to automate Flash memory programming on an assembly line.

Serialization

Serialization is the ability to store customer identifier information, such as a serial number or Internet address, into Flash memory. Unique program values can be programmed into Flash, or an initial value can be set and uniformly incremented.

Supported ZiLOG Z8 Encore! and eZ80Acclaim! Communication Devices

Use of the ZiLOG Z8 Encore! SFP requires one of ZiLOG's serial or USB Smart Cables. These cables are provided in each of ZiLOG's Flash MCU development kits, and can also be purchased separately. Refer to the "Ordering Information" section for part number details.

Use of the ZiLOG eZ80Acclaim! SFP requires one of ZiLOG's serial Smart Cable, USB Smart Cable or the Ethernet ZPAK devices. These cables are provided in each of ZiLOG's Flash MPU development kits, and can also be purchased separately. Refer to the "Ordering Information" section for part number details.

The communication device connects your PC and the target board containing one of ZiLOG's Flash microcontrollers. Once you download the free SFP software onto your PC, follow the User Manual instructions and finish programming in record time.

Packaging

ZiLOG SFP software is available as a free download on the ZiLOG web site at www.zilog.com. It will also be available on the CD-ROM included with our Flash MCU development kits.

Documentation

The following available documents describe the functions and usage of the Smart Flash Programmer:

- *Z8 Encore!® Smart Flash Programmer User Manual* (UM0176)
- *eZ80Acclaim!™ Smart Flash Programmer User Manual* (UM0177)

Support Tools

The ZiLOG SFP is designed to work with hex files produced using ZiLOG's Integrated Development Environment (ZDS II) that provides code editing, assembler/C-compiler/linker features, source-level debugging and project managing facilities for quick and efficient development of embedded applications. ZDS is included with all Z8 Encore! and eZ80Acclaim! development kits.

Ordering Information

Part Number	Description
Z8FSFP00100ZPR	Z8 Encore!® Smart Flash Programmer
EZ80SFP0100ZPR	eZ80Acclaim!™ Smart Flash Programmer
Z8ENCORE000ZAC	Z8 Encore!® Serial Smart Cable Accessory Kit
EZ800000100ZAC	eZ80Acclaim!™ Serial Smart Cable Accessory Kit
ZUSBSC00100ZAC	USB Smart Cable Accessory Kit
ZDI232ZPAK2ZPK	ZPAK II Debug Interface Module

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