



eZ80™ Acclaim! Flash Microcontrollers Development Kit

The eZ80F91 and eZ80F92 Development Kits best exemplify the versatility and high performance of the eZ80Acclaim!™ family of Flash microcontrollers (MCUs). The kits provide a complete set of tools to either evaluate the eZ80F91 or the eZ80F92/3 devices or to develop a variety of new applications including vending machines, point of sale, security, automation, communication, industrial control, facility monitoring and remote control. Each kit features two primary boards: the eZ80® Development Platform and the eZ80F91 Module or eZ80F92 Flash Module. In addition, all the necessary hardware, software, and technical documentation are included in the kit for design to begin immediately.

Development Kit Contents

Hardware

- eZ80® Development Platform
- eZ80F91 Module or eZ80F92 Flash Module
- Ethernet Hub (eZ80F91 only)
- ZPAK II Emulator
- ZDI Target Interface Module
- Universal Power Supplies
- Cables

Software

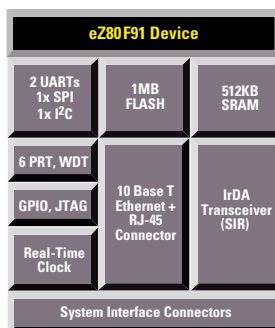
- ZDS II Integrated Development Environment (IDE)
- ANSI C-Compiler
- Sample Software Projects

Documentation/CD-ROM

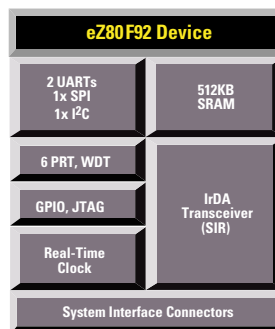
- Quick Start Guide
- Development Kit User Manual
- ZDS II User Manual
- ZPAK II User Guide
- eZ80® CPU User Manual
- Product Specifications
- Product Briefs

CPU Modules

Three different modules powered by the new eZ80Acclaim!™ Flash MCUs are offered as stand-alone development tools to aid with application design. These compact, high performance modules have been created for the rapid deployment of embedded systems.



eZ80F91 Module (Included in eZ80F91 Kit)



eZ80F92 Flash Module (Included in eZ80F92 Kit)

The eZ80F91 module features the eZ80F91 device operating at 50MHz with 256KB on-chip Flash memory and 16KB of internal SRAM. An additional 512KB of off-chip SRAM, 1MB of Flash, and a 10BaseT Ethernet Controller with a RJ-45 connector are also provided.

The eZ80F92 Flash Module features the eZ80F92 device operating at 20MHz with 128KB on-chip Flash memory and 8KB of internal SRAM and an additional 512KB of off-chip SRAM.

In addition to the features of the eZ80F92 Flash module, the eZ80F92 Ethernet module highlights 512KB off-chip SRAM, 1MB Flash, and a 10BaseT Ethernet Controller with a RJ-45 connector.





ZiLOG eZ80F91 Development Kit

Development Platform

The eZ80® development platform has been designed to accept application-specific modules as well as Z8- and eZ80®- based add-on modules. It can operate in stand-alone mode with Flash memory, or interface via ZPAK II Emulator to a host PC running ZDS II IDE software.

Featuring up to 2MB fast SRAM, the eZ80® development platform has the following major hardware blocks:

- Module Interface
- Application module interface
- User GPIO latches and LED matrix
- RS-232 serial communications ports
- Embedded modem interface
- I²C devices
- Power connector

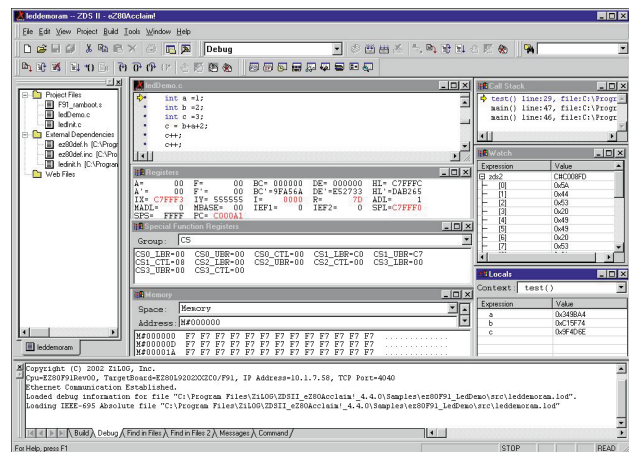
ZDS II IDE

ZiLOG Developer Studio II Integrated Development Environment is a complete suite of software tools that supports development with the eZ80® family of micro-controllers. Combining an easy-to-use Windows-based GUI with multithreading capability, ZDS II provides an environment that simplifies code compilation and development. Included in ZDS II are a language sensitive editor, project manager, compiler, assembler, linker, librarian, and debugger.

ZPAK II Emulator

ZPAK II is a complete debug package for eZ80® micro-controllers equipped with on-chip emulation support hardware. It serves as a physical link between ZDS II and the target system. This allows users to download code directly to the target system for editing and debugging purposes.

www.zilog.com



C-Compiler

A full version ANSI C-Compiler is included in this kit at no additional cost. Simplify application software development and reduce time-to-market. The C-compiler supports a powerful configurable optimizer allowing code to be optimized for speed or size.

Ordering Information

eZ80F91 Development Kit

Part #: eZ80F910200ZCO

Description: Complete development kit with eZ80F91 module, Ethernet hub, C-Compiler, development platform, ZPAK II Emulator

eZ80F92 Development Kit

Part #: eZ80F920200ZCO

Description: Complete development kit with eZ80F92 Flash module, C-Compiler, development platform, ZPAK II Emulator

eZ80F91 Module (Optional)

Part#: eZ80F915050MOD

Description: eZ80F91 device, 50MHz operation, 512KB SRAM, 1MB Flash, Ethernet interface

eZ80F92 Flash Module (Optional)

Part #: eZ80F920020MOD

Description: eZ80F92 device, 20MHz operation, 512KB SRAM

eZ80F92 Ethernet Module (Optional)

Part #: eZ80F920120MOD

Description: eZ80F92 device, 20MHz operation, 512KB SRAM, 1MB Flash, Ethernet interface