



# eZ80Acclaim!<sup>®</sup>

Flash Microcontrollers

## Development Kit



The eZ80F91 and eZ80F92 Development Kits best exemplify the versatility and high performance of the eZ80Acclaim!<sup>®</sup> family of Flash microcontrollers (MCUs). The kits provide a complete set of tools to either evaluate the eZ80F91 or the eZ80F92 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<sup>®</sup> 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.

### CPU Modules

Three different modules powered by the new eZ80Acclaim!<sup>®</sup> 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.

### Development Kit Contents

#### Hardware

- eZ80<sup>®</sup> Development Platform
- eZ80F91 Module or eZ80F92 Flash Module
- Universal Power Supplies
- USB Smart Cables

#### Documentation/CD-ROM

- Quick Start Guide
- Tool Kit documentation
- Product documentation

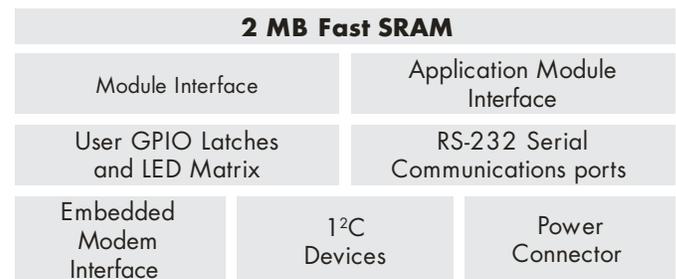
#### Software

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

### Development Platform

The eZ80<sup>®</sup> development platform has been designed to accept application-specific modules as well as Z8<sup>®</sup>- and eZ80<sup>®</sup>- based add-on modules. It can operate in standalone mode with Flash memory, or interface via a USB Smart Cable to a host PC running ZDS II IDE software. Featuring up to 2MB fast SRAM, the eZ80<sup>®</sup> development platform has the following major hardware blocks:

### Block Diagram



The eZ80F91 module features the eZ80F91 device operating at 50 MHz with 256 KB on-chip Flash memory and 16 KB of internal SRAM (8 KB EMAC + 8 KB GP SRAM). An additional 512 KB of off-chip SRAM, 1 MB of Flash, and a 10BaseT Ethernet Controller with a RJ-45 connector are also provided.

## eZ80F91 Module (Included in eZ80F91 kit)

eZ80F91 Device		
2 UARTs 1 x SPI 1 x I <sup>2</sup> C	1 MB FLASH	512 KB SRAM
6 PRT, WDT	10 Base T Ethernet + RJ-45 Connector	IrDA Transceiver (SIR)
GPIO, JTAG		
Real-Time Clock	System Interface Connectors	

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

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

## eZ80F92 Flash Module (Included in eZ80F92 kit)

eZ80F92 Device		
2 UARTs 1 x SPI 1 x I <sup>2</sup> C	512 KB SRAM	
6 PRT, WDT	IrDA Transceiver (SIR)	
GPIO, JTAG		
Real-Time Clock	System Interface Connectors	

## Ordering Information

eZ80F910200KITG	: eZ80F91 Modular Development Kit
eZ80F910300ZCOG	: eZ80F91 Development Kit
eZ80F916050MODG	: eZ80F91 Module
eZ80F916005MODG	: eZ80F91 Mini Enet Module (included in kit, also sold separately)
eZ80F920200ZCO	: eZ80F92 Development Kit
eZ80F920020MOD	: eZ80F92 Device Kit
eZ80F920120MOD	: eZ80F92 Device Kit