



eZ80Acclaim! 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 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.

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.

Development Kit Contents

Hardware

- eZ80® 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® development platform has been designed to accept application-specific modules as well as Z8®- and eZ80®- 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® development platform has the following major hardware blocks:

Block Diagram

2 MB Fast SRAM		
Module Interface	Application Module Interface	
User GPIO Latches and LED Matrix	RS-232 Serial Communications ports	
Embedded Modem Interface	I ² C Devices	Power Connector



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 ² C	1 MB FLASH	512 KB SRAM
6 PRT, WDT	10 Base T Ethernet + RJ-45 Connector	IrDA Transceiver (SIR)
GPIO, JTAG		
RealTime 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 ² 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