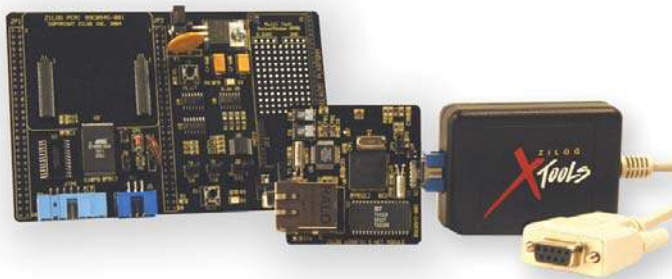# eZ80Acclaim!™ eZ80F91 Modular Development Kit

ZiLOG's eZ80Acclaim!™ eZ80F91 Modular Development Kit provides a general-purpose platform for creating embedded networking designs based on ZiLOG's eZ80F91 microcontroller. The eZ80F91 is a member of ZiLOG's eZ80Acclaim!™ product family, which offers on-chip Flash capability. The eZ80F91 Modular Development Kit features an eZ80F91 Mini Enet Module and an eZ80Acclaim!™ Development Platform onto which the module mounts.

You'll get to market faster with this complete development kit! There's no need to spend precious development time writing your own TCP/IP protocol stack for embedded networking applications. ZTP, ZiLOG's full-feature TCP/IP protocol stack software suite comes free with the purchase of the development kit. We give you a head start on building your network-ready applications.

While the development kit offers complete functionality during design and debugging of end user applications, the eZ80F91 Mini Enet module functions as a standalone add-on module for network-enabling any existing systems, and is available separately. Customers with limited design resource can leverage this proven add-on module for rapid prototyping or production. The general-purpose Development Platform provides all the I/O signals found on the eZ80F91 microcontroller, and further expansion capability to other ZiLOG application boards.

This kit includes ZiLOG's ZDS II Integrated Development Environment for eZ80Acclaim!™ featuring an industry-leading set of tools including a full-feature ANSI C Compiler, assembler, linker, and source-level debugger. No other manufacturers offer such a competitive development kit like ZiLOG's.

OVERVIEW

- A complete development environment for your innovative embedded networking applications using ZiLOG's award-winning eZ80F91 microcontroller.

- Two-board modular development system (MDS)

  - eZ80F91 Mini Enet Module provides Flash memory and Ethernet Media Access Controller (EMAC), Ethernet PHY, RJ-45 connector, and expansion connectors. Also available separately.

  - eZ80Acclaim!™ Development Platform provides footprint for external Flash memory as well as MDS expansion connectors to other ZiLOG application boards.

eZ80Acclaim!™ eZ80F91 Modular Development Kit

Features

- eZ80F91 Mini Enet Module:
  - eZ80F91 MCU operating at 50 MHz, with 256KB of internal Flash memory and 16KB of internal SRAM memory
  - On-chip Ethernet Media Access Controller (EMAC)
  - 128KB of off-chip SRAM memory
  - Ethernet PHY and RJ-45 port
  - Real-Time Clock, battery capable
  - Footprint for an SIR IrDA transceiver
  - Two 56-pin expansion connectors for attachment to the eZ80Acclaim!™ Development Platform or end-user system
- eZ80Acclaim!™ Development Platform:
  - Footprint for 2M x 8 external Flash memory.
  - RS232 connector with interface circuit for on-chip UART.
  - ZDI and JTAG debug connectors
  - Two 56-pin mini-module connectors
  - Two 60-pin interface connectors for connection to other MDS application boards (not supplied)
  - 32-pin header and footprint for a GPRS modem
  - Power 3.3Volt green LED
  - One yellow Test LED and pushbutton
  - 5VDC external power supply
- Serial RS-232 Smart Debug Cable
- ZDS II integrated development environment with full ANSI C Compiler for the eZ80Acclaim!™ microcontroller family and Documentation CD-ROM
- ZiLOG ZTP TCP/IP protocol stack software suite CD-ROM
- User Manuals, Quick Start Guide, and Schematics for the eZ80F91 Mini Enet Module and eZ80Acclaim!™ Development Platform

eZ80F91 Mini Enet Module

128KB SRAM	10/100 Ethernet PHY	RJ-45
RTC	**eZ80F91**	SIR IrDA Transceiver Footprint
Two 56-Pin Expansion Connectors		

eZ80Acclaim!™ Development Platform

2MB Flash Memory Footprint		
32-pin Header for GPRS Modem		ZDI and JTAG Debug
RS232 Interface	LEDs	Power Supply
Two 56-pin mini -module connectors		
Two 60-pin connectors for application/development boards		

Ordering Information

eZ80F910100KIT - eZ80F91 Modular Development. Kit

eZ80F915005MOD - eZ80F91 Mini Enet Module (included in kit, also sold separately)

eZ80F910SSLKIT - eZ80Acclaim!™ Embedded Network Security Kit

Order your ZiLOG Development Kits at http://www.zilog.com to get your applications to market in record time.