Z8 Encore! XP® F08xA Series

Development Kit

8-Pin Development Kit

20, 28-Pin Development Kit

OVERVIEW

Evaluate. Design. Build. That's the simple power behind the value of the ZiLOG Z8 Encore! XP® F08xA Series Development Kit. Our complete development platform includes all the hardware and software you need to cut design time and get your products to market faster.

These new kits feature the Z8 Encore! XP® F08xA series MCU, with new features such as a full range temperature sensor and a transimpedance amplifier, which have their outputs processed by an enhanced sigma-delta analog to digital converter. The Z8 Encore! XP® F08xA series MCU is perfect for a wide range of consumer and industrial applications.

Use the Z8 Encore! XP® F08xA Series Development Kits both to evaluate our new MCU and create your Z8 Encore! XP® F08xA series MCU product solution. You get everything you need to go from concept to design - there's nothing else to buy. Discover the value and power ZiLOG brings to your next 8-bit MCU design. Order a Z8 Encore! XP® F08xA Series Development Kit today!

Z8 Encore! XP® F08xA Series MCU Development Kit Contents

Hardware

- Z8 Encore! XP® F08xA Series Development Board
- Serial or USB Smart Cable
- 5 V DC Universal Power Supply

Software

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

Documentation/CD-ROM

- Development Kit Quick Start Guide
- Development Kit User Manual
- ZDS II - IDE User Manual
- eZ8 CPU User Manual
- Product Specifications
- Product Briefs
- Application Notes

Development Board Features

- Z8 Encore! XP® F08xA MCU
- Three LEDs
- RS-232 interface
- IrDA transceiver
- Two Push Buttons, RESET and TEST
- 5 V DC power connector
- On-chip debugger interface
- Header for ADC input (not present on 8-pin board)
- Prototyping area
- External interface connectors
- 2.7 to 3.6 V operating range with 5 V tolerant inputs

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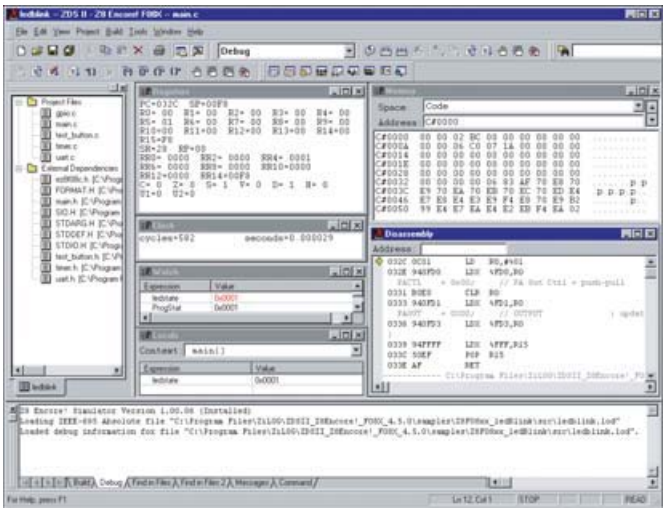
Z8 Encore! XP® F08xA Series Development Kit



Z8 Encore!® MCU ZDS II IDE GUI

ZiLOG Developer Studio II Integrated Development Environment is a complete suite of software tools that supports development with the Z8 Encore! XP® MCU. Its easy-to-use Windows-based GUI provides an environment that accelerates the edit, compile, and debug cycle. Included in ZDS II are a language sensitive editor, project manager, compiler, assembler, linker, librarian, and debugger.

C-Compiler

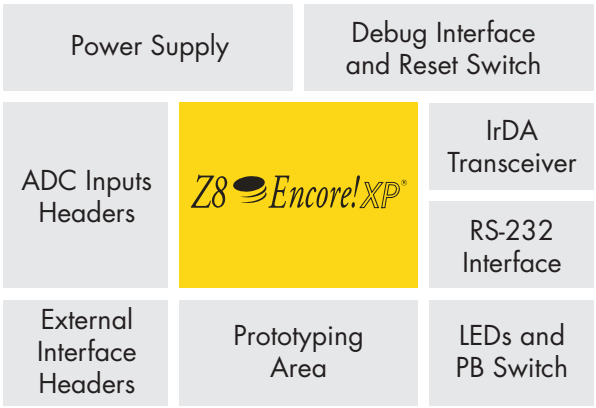
A full version ANSI C-Compiler is included in this kit at no additional cost allowing you to begin your design immediately. The C-Compiler supports a powerful configurable optimizer allowing code to be optimized for speed or size.

Smart Cable

This small circuit board provides reliable and robust communication between your desktop PC and the development board. Use it for your development board and again with your final product's hardware.

Serial Smart Cable converts RS-232 signals to communicate with the on-chip debugger of the eZ8 core.
P/N: Z8ENCORE000ZAC

USB Smart Cable is compatible with both USB highspeed and full-speed standards and converts the signals sent from the USB port on your development PC to communicate with the on-chip debugger.
P/N: ZUSBSC00100ZAC
P/N: ZUSBSC00100ZACG (RoHS)
P/N: ZUSBOPTSC01ZACG (RoHS)



Device	Memory Flash (Bytes)	Memory SRAM (Bytes)	Speed (MHz)	I/O Lines	16-Bit Timers	10-Bit A/D Channels	UART	Comparator	Other Features	Operating Voltage	Temp. Range (° C)	Pin Count	Development Kit
Z8F081A	8K	1K	20	23	2	-	1	1	Int. Prec. Oscillator	2.7 - 3.6 V	-40° to 105°	8, 28, 20	Z8F04A08100KITG (RoHS) Z8F08A28100KITG (RoHS)
Z8F082A	8K	1K	20	25	2	8	1	1	Temp. Sensor, Int Prec. Oscillator	2.7 - 3.6 V	-40° to 125°	28, 20, 8	Z8F04A08100KITG (RoHS) Z8F08A28100KITG (RoHS)

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

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