

## Z8 Encore!® MCU Development Kit



### OVERVIEW

Get the ZiLOG Z8 Encore!® Microcontroller (MCU) Development Kit today to see how perfectly the Z8 Encore!® MCUs fit into applications such as motor control, security systems, systems monitoring, personal electronic devices, home appliances, and home automation. You will receive a complete development platform – including all hardware and software – plus a full-version ANSI C-Compiler.

ZiLOG delivers extra value after you have finished evaluation, because our kit then serves as your complete Z8 Encore!® product development solution. Evaluate, Design, Build – it's that simple. There's nothing more to buy. Discover the value and flexibility Z8 Encore!® MCU brings to your next design. Order your ZiLOG Z8 Encore!® MCU Development Kit today!

### Z8 Encore!® MCU Development Kit Contents

#### Hardware

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

#### Software

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

#### Documentation/CD-ROM

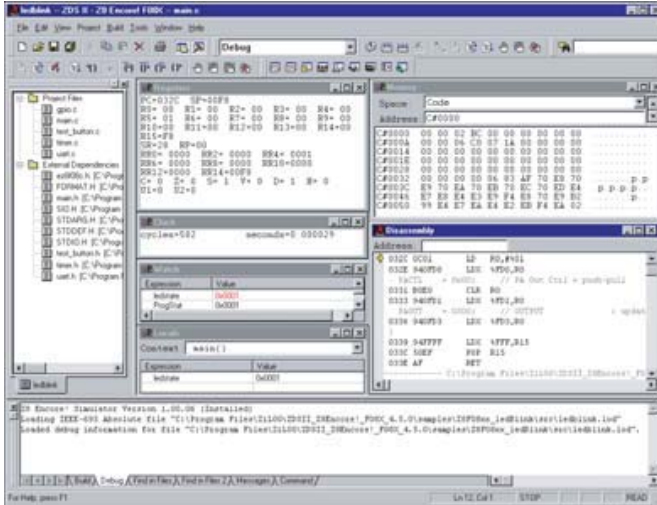
- Development Kit Quick Start Guide
- Development Kit User Manual
- ZDS II-IDE User Manual
- eZ8 CPU User Manual
- Product Specifications
- Product Briefs
- Application Notes

#### Development Board Features

- Z8 Encore!® 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 V to 3.6 V operating range with 5 V-tolerant inputs



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## 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!® MCU. Its easy-to-use Windows-based GUI provides an environment that accelerates the edit, compile, and debug cycle. Included in ZDS II is 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 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 of the eZ8 core.

P/N: Z8ENCORE000ZAC

**USB Smart Cable** is compatible with both USB high speed and full-speed standards and converts the signals sent from the USB port to your development PC to communicate with the On-Chip.

P/N: ZUSBSC00100ZACG (RoHS)

P/N: ZUSBOPTSC01ZACG (RoHS)

Device	Flash/ ROM (Bytes)	Memory RAM (Bytes)	Core Speed (MHz)	I/O Lines	Interrupts	16-Bit Timers w/ PWMs	10-Bit A/D Channels	DMA Controller	Precision Osc.	SPI and I <sup>2</sup> C	UARTs	Operating Voltage	Pin Count	Development Kit
Z8F64	64K	4K	20	60	24	4	12	√	-	√	2	3.0 - 3.6 V	40, 44, 64, 68, 80	Z8F64200100KITG (RoHS)
Z8F48	48K	4K	20	60	24	4	12	√	-	√	2	3.0 - 3.6 V	40, 44, 64, 68, 80	Z8F64200100KITG (RoHS)
Z8F32	32K	2K	20	46	24	4	12	√	-	√	2	3.0 - 3.6 V	40, 44, 64, 68	Z8F64200100KITG (RoHS)
Z8F24	24K	2K	20	46	24	4	12	√	-	√	2	3.0 - 3.6 V	40, 44, 64, 68	Z8F64200100KITG (RoHS)
Z8F16	16K	2K	20	46	24	4	12	√	-	√	2	3.0 - 3.6 V	40, 44, 64, 68	Z8F64200100KITG (RoHS)
Z8F08	8K	1K	20	19	19	2	5	-	-	√	1	2.7 - 3.6 V	20, 28	Z8F08200100KITG (RoHS)
Z8F08x3	8K	1K	5	24	18	2	8	-	√	-	1	2.7 - 3.6 V	8, 20, 28	Z8F04A08100KITG (RoHS) Z8F08A28100KITG (RoHS)
Z8F04	4K	1K	20	19	19	2	5	-	-	√	1	2.7 - 3.6 V	20, 28	Z8F08200100KITG (RoHS)
Z8F04x3	4K	1K	5	24	18	2	8	-	√	-	1	2.7 - 3.6 V	8, 20, 28	Z8F04A08100KITG (RoHS) Z8F04A28100KITG (RoHS)
Z8F02x3	2K	512	5	24	18	2	8	-	√	-	1	2.7 - 3.6 V	8, 20, 28	Z8F04A08100KITG (RoHS) Z8F04A28100KITG (RoHS)
Z8F01x3	1K	256	5	24	18	2	8	-	√	-	1	2.7 - 3.6 V	8, 20, 28	Z8F04A08100KITG (RoHS) Z8F04A28100KITG (RoHS)

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

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