



Crimzon™ ZLP32300

In-Circuit Emulator & Development Platform



Crimzon™ ZLP32300 In-Circuit Emulator (ICE)

When development speed and precision debugging are critical

The Crimzon™ ZLP32300 ICE provides full ZLP32300 family chip emulation, a trace and event system for program debugging using ZDS II development tools, a Crimzon™ ZLP32300 development platform, and an OTP programming module. Designed for high-performance development teams, our in-circuit emulator is the ultimate troubleshooting tool. Our trace and event system allows you to capture trace data before and after an event. Set an event to stop program execution at the point where your program is not performing properly and you're able to see the cycles leading up to and immediately after the event in question. No more guesswork - you'll know exactly where the problem occurs.

Included in the ZLP32300 ICE are target pods for all the popular device packaging including SSOP, SOIC, and DIP. The ZLP32300 ICE operates off of high performance Ethernet connection to your PC for fast execution and code download. The emulator also allows rapid migration from the ZLP32300 OTP to cost effective mask ROM devices with ability to compile to the new target device and emulate.

Once your program is running properly, use the built-in Crimzon™ ZLP32300 ICE OTP programming module to burn your program onto a ZLP32300 family chip. You can either burn code in your current ZDS II project from emulator RAM onto the OTP chip, or load an existing hex file into emulator RAM and burn it onto the chip.

Crimzon™ ZLP32300 Development Platform

The perfect ZLP32300 development environment

The Crimzon™ ZLP32300 Development Platform provides a universal remote control development platform for ZiLOG's ZLP32300 family of IR microcontrollers.

Powered by two 1.5V AAA batteries, the kit is self-contained and uses ZiLOG's current generation database of remote control codes, covering a diverse range of device types including, but not limited to, TVs, VCRs, DVDs, cable and satellite set-top boxes, receivers, CD players, and other device types. Included in the kit is a high performance learning circuitry that provides engineering development of learning remote control applications.

The development platform includes our ZiLOG Developer Studio II Integrated Development Environment (IDE). You'll reduce design time, increase developer productivity, and bring your innovative designs to market faster using our complete suite of Z8 microcontroller architecture software tools. Combining an easy-to-use Windows-based GUI with multithreading capability, ZDS II provides an environment that streamlines code compilation and development. Tools include a language-sensitive editor, project manager, assembler, linker, librarian, debugger and a full ANSI C-compiler! ZiLOG development tools give you the edge over your competition.



Crimzon™ In-Circuit Emulator & Development Platform



Kit Contents include:

- Crimzon™ In-Circuit Emulator with CAT5 Ethernet crossover cables
- Crimzon™ Development Platform
- PDIP target PODs (20-, 28-, and 40-pin) with cables
- Five adapters (20-PDIP to 20-SOIC, 20-PDIP to 20-SSOP, 28-PDIP to 28-SOIC, 28-PDIP to 28-SSOP, 40-PDIP to 48-PDIP), and null target connector
- Programming module with 40-circuit ribbon cable
- Seven OTP programming module adapters (20-PDIP, 20-SOIC, 20-SSOP, 28-PDIP, 28-SOIC, 28-SSOP, 48-SSOP)
- ZDS II CD-ROM

Development Tools Ordering Information:

Product Number: ZLP323ICE01ZEM (In-Circuit Emulator & Development Platform)

Ethernet	FPGA	Flash	OTP Programmer with Adapters 20/28/40/48 SSOP SOIC PDIP
	ICE Chip Module	SRAM	
	Emulator Module & Interface		
RS232 UART Set-up Only	Break Point Module		Target POD 20/28/40/48 SSOP SOIC PDIP
	Trace Buffer Module		
	Voltage Regulator	Voltage Monitoring	

Silicon Supported:

Device	Memory Size	Package Types
ZLP32300 OTP	32KB, 16KB, 8KB, 4KB	20- and 28-pin SOIC, PDIP, or SSOP, 40-pin PDIP, 48-pin SSOP
ZLR32300 ROM	32KB, 24KB	40-pin PDIP, 48-pin SSOP
	16KB, 8KB, 4KB	40-pin PDIP, 48-pin SSOP
ZLR16300 ROM	16KB, 8KB, 4KB, 2KB, 1KB	20- and 28-pin SOIC, PDIP, or SSOP

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

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