Engineering Development Kit for EP9312 Processor

Universal Platform System-on-Chip ARM920T Design is Ideal for Broad Range of Applications

EDB9312 Kit Contents

- EDB9312 processor board
- ATX power supply
- Color VGA TFT LCD with integrated touchscreen (640 x 480)
- PS2 keyboard
- User documentation
- Evaluation versions of popular software tool solutions

Software Contents

- BSP for WinCE.NET 4.2
- Linux 2.4.19

EDB9312 Processor Board Supports

- Socketed EP9312-CB
- 64 MB of SDRAM
- 32 MB of Flash
- Serial EEPROM interface
- 512 KB SRAM
- IDE Interface
- Real Time Clock
- Video Raster / LCD interface to provide data and interface signals for a variety of display types
- Color VGA TFT LCD with integrated touchscreen
- Supports analog VGA connection
- Video encoder supports composite video output and S-VIDEO output
- PS2 Keyboard
- Three type-A USB host connections
- Three UARTS
- Stereo audio input via serial interface block
- Supports up to six-channel 24-bit audio output
- AC-97
- 1/10/100 Mbps Ethernet
- IR Receiver

Third-Party Development Support

- visit www.cirrus.com/thirdparty
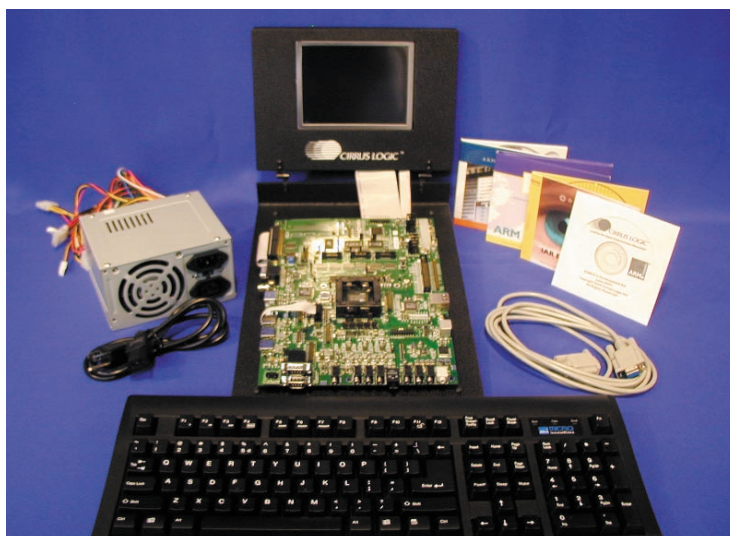
The EDB9312 development kit is a convenient, user-friendly, system-oriented platform that provides design engineers with the ability to evaluate and utilize the EP9312 processor capabilities, features, and state-of-the-art technology. By fully leveraging an impressive selection of integrated peripherals in a complete system environment, designers can develop a multitude of next-generation consumer and industrial electronic products from a single platform design.

Applications such as digital media servers and jukeboxes, telematic control systems, thin clients, set-top boxes, point-of-sale terminals, industrial controls, biometric security systems, and GPS devices will benefit from the EP9312's integrated architecture and advanced features. In fact, with amazingly agile performance provided by a 200 MHz ARM920T processor, and featuring an incredibly wide breadth of peripheral interfaces, the EP9312 is well suited to an even broader range of high volume applications. Furthermore, by enabling or disabling the EP9312's peripheral interfaces, designers can reduce development costs and accelerate time to market by creating a single platform that can be easily modified to deliver a variety of differentiated end products.

Specify part number EDB9312 when ordering this engineering development kit from your Cirrus representative.