CIRRUS LOGIC®

EDB9315A
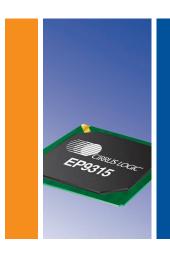

EDB9315A

Embedded Processor Development System for EP9315 and EP9312

EDB9315A Platform Supports

- EP9315 processor
- Linux and Microsoft Windows WinCE 5.0 Operating Systems
- 64 MB of SDRAM
- 16 MB of Flash memory
- IDE Interface
- Serial EEPROM interface
- JTAG
- 2D graphics accelerator
- Video Raster / LCD interface to provide data and interface signals for a variety of display types
- Four-wire touchscreen interface
- Supports analog VGA connection
- Two full-speed USB host connections
- USB 2.0 High Speed device (via external chip)
- Three UARTs (one with DB9 connector and two attached to 5x2 headers)
- Two channel 24-bit audio output
- 10/100 Mbps Ethernet
- Memory bus and peripheral bus expansion connectors

Feature-Rich Embedded Processor with Integrated IDE and Ethernet

The EDB9315A provides design engineers with a complete kit – hardware, software, and drivers – and is optimized for use with the impressive selection of peripherals integrated on the EP9315 ARM9-based embedded processor from Cirrus Logic. By fully leveraging this complete system environment, designers can reduce development costs and accelerate time to market.

This development system is ideal for high-performance applications that require a powerful user-interface and cost-reduction through a high level of chip integration.

The EP9315 features include a hardware floating point unit, 10/100 Ethernet, IDE mass storage interface, and three USB host connections – two of which are brought out on the board. Additionally, the EP9315 features a 2D graphics accelerator, integrated LCD controller, touchscreen, and high-quality audio to enable easy to use products with vibrant multi-media capabilities.

EDB9315A Key Features

- A complete Linux® Operating System with drivers (source code included)
- BSP for Microsoft® Windows® WinCE 5.0 Operating Systems with drivers included
- Full-featured EP9315-based development board with generous peripheral selection
- Evaluation copies of popular tools
- Schematics and Gerbers
- Power supply, cables and documentation
- Expansion connectors

Applications such as point-of-sale terminals, industrial controls, digital media servers, jukeboxes, telematic control systems, thin clients, set-top boxes, biometric security systems, and GPS devices will benefit from the system's integrated architecture and advanced features.

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