

EDB9315A Development System

Supports EP9315 and EP9312

EDB9315A Key Features

- **BSP for Microsoft® Windows® WinCE 5.0 OS**
 - ◆ Drivers included
- **Complete Linux® 2.6 Operating System & Drivers**
 - ◆ Source code included (Download from Cirrus web site.)
- **Full-featured EP9315-based Development Board**
 - ◆ Generous peripheral selection
- **Evaluation Copies of Popular Tools**
- **Schematics and Gerbers**
- **Power Supply, Cables, and Documentation**
- **Expansion Connectors**

EDB9315A Platform Supports

- **EP9315 Processor**
- **Microsoft Windows WinCE 5.0 and Linux OS**
- **64 MB of SDRAM**
- **16 MB of Flash Memory**
- **IDE Interface**
- **JTAG**
- **2D Graphics Accelerator**
- **Video raster / LCD interface provides data and interface signals for a variety of display types.**
- **Four-wire Touchscreen Interface**
- **Supports Analog VGA Connection**
- **Two Full-speed USB 2.0 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**

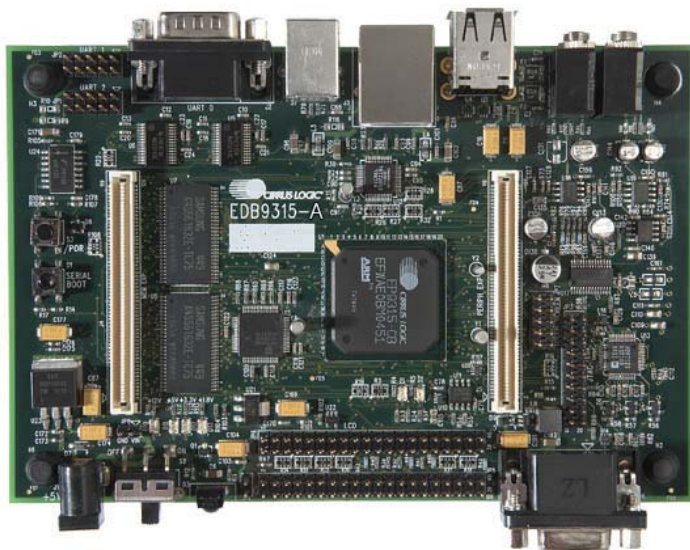


The EP9315A provides design engineers with a complete kit — hardware, software, and drivers — and is optimized for use with the impressive selection of peripherals integrated on the EP9315 ARM9-based embedded processor from Cirrus Logic. By fully leveraging this complete system environment, designers 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 interface, and high-quality audio to enable easy-to-use products with vibrant multi-media capabilities.

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 EP9315's integrated architecture and advanced features.

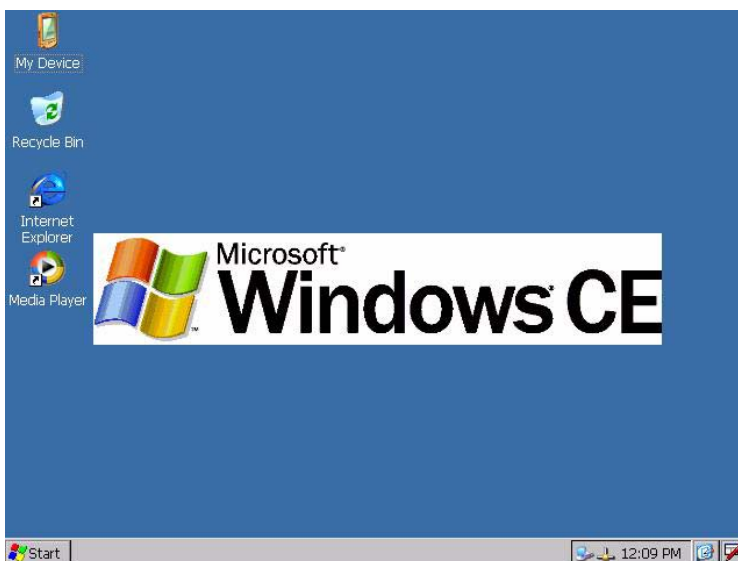


Kit Contents

- EDB9315A Board
- +5V DC Power Supply with AC Power Cord
- Null Modem Serial Cable
- Trial Version CDs: WinCE 5.0, IAR Systems, and ARM® RealView
- Information and Registration Card
- This EDB9315A Quick Start Guide
- Two Serial Adapter Cables
- IDE Ribbon Cable

Set Up

1. Unpack the contents of the EDB9315A kit.
2. Make sure power switch S2 is in the "OFF" position.
3. Connect the +5V power supply to connector J10.
4. Connect a USB mouse and USB keyboard to USB connector J1.
Note: The USB mouse and keyboard are not provided in the kit. You can optionally connect a set of headphones or powered speakers to J9 "Audio Out".
5. Connect a VGA monitor to the DB15 connector J6.
6. Turn power switch S2 to the "ON" position.
7. After a short period of time, the VGA monitor will display the graphical interface shown to the right.



WinCE 5.0 Graphical User Interface

Important: The registration card in the kit has important information regarding software updates and user support.

For more information, visit us at www.cirrus.com