

## ARM - 9 Based Embedded Board

The Arm 9 based Embedded Board 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.

### **Technical Specifications:**

- > 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 touch screen 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
- > External battery backed RTC
- > Lead free design
- > 10/100 Ethernet
- > IDE mass storage interface
- > Three USB host connections two of which are brought out on the board.
- > Additionally the EP9315 features a 2D graphics accelerator, integrated LCD controller, touch screen,
- > 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
- > +12 V power supply, cables and documentation
- > Expansion connectors

### **Applications :**

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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