EDB9307A-Z

Embedded Processor Development System for EP9307

EDB9307A-Z Platform Features

- EP9307 processor
- Linux and Microsoft Windows WinCE 5.0 and 6.0 Operating Systems
- 64 MB of SDRAM
- 16 MB of Flash memory
- 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
- External batter backed RTC
- Lead free design

Powerful Graphics and Human Interface Capabilities

The EDB9307A-Z 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 EP9307 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 EP9307 features include a hardware floating point unit, 10/100 Ethernet and three USB host connections – two of which are brought out on the board. Additionally, the EP9307 features a 2D graphics accelerator, integrated LCD controller, touchscreen and high-quality audio to enable easy to use products with vibrant multimedia capabilities.

EDB9307A-Z Key Features

- A complete Linux® Operating System with drivers (source code included)
- BSP for Microsoft® Windows® WinCE® 5.0 and 6.0 Operating System with drivers included
- Full-featured EP9307-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 such as point-of sale terminals, industrial controls, digital media servers, jukeboxes, telematic control systems, thin clients, set-top boxes, biometric security systems, home automation, fishfinder, medical applications, electronic gaming machines, fitness equipment, IP camera, ATM, lottery machines, automotive media, GSM modem, VOIP, portable printers, weigh scales and GPS devices will benefit from the system's integrated architecture and advanced features.

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