

## Quick Overview

### Features

- \* Dimensions: 58 x 36 mm
- \* Temperature: -20 to +70 Celsius
- \* Samsung's S3C2410A microcontroller based on a 2.5V Static ARM920T CPU core with MMU
- \* 64Mbyte Nand Flash
- \* 64Mbyte SDRAM
- \* On-chip MPLL generates the 12MHz OSC up to operate MCU at up to 266MHz  
(The default clock rate is 203MHz.)
- \* 32768Hz RTC (Real-time clock)
- \* LCD, AD, SPI, Uart, USB, SD/MMC Card, IIS, I2C, RTC, PWM, GPIO, Local bus and most I/O CPU lines can be extended via two 2.0mm space 56-pin biserial dip connectors.
- \* Single 3.3V power supply

## Product Description

### Description

The Embest Mini2410-II processor card is another processor card based on Samsung's S3C2410 processor. It has a super tiny design measuring only 58mm by 36mm. The memory system of the board is mainly including 64M SDRAM and 64M Nand Flash. The processor card extends the basic features of S3C2410. Other peripherals like LCD, AD, SPI, Uart, USB, SD/MMC Card, IIS, I2C, RTC, PWM, GPIO, Local bus and most I/O CPU lines can be extended via two 2.0mm space 56-pin biserial dip connectors. A developer's kits with Embest Mini2410-II processor card are able to run on Linux and WindowsCE OS. The tiny board would be an ideal single board computer to be the heart of your embedded design.

Embest has also designed an expansion board to enhance the functionality of the Mini2410-II. Please refer to [SBC2410-III board](#) which using the Mini2440-I as CPU board and capable of supporting both Linux and WinCE OS.

### Expansion interface pin explanation

Embest Mini2410-II processor card uses two 2.0mm space 56-pin biserial dip connector to connect to your development system.