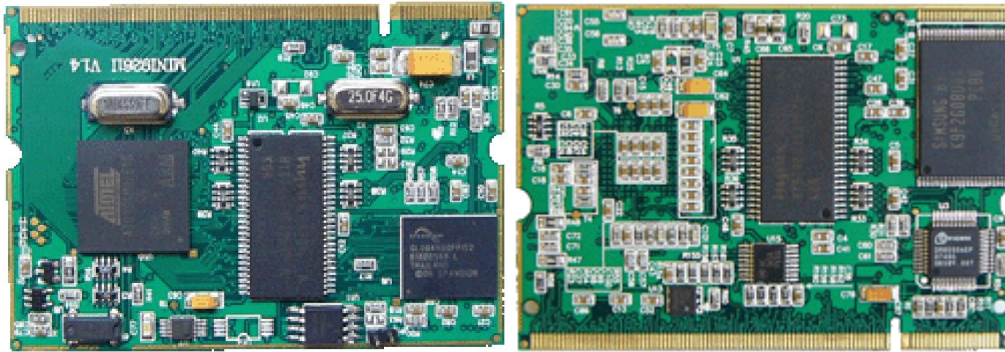
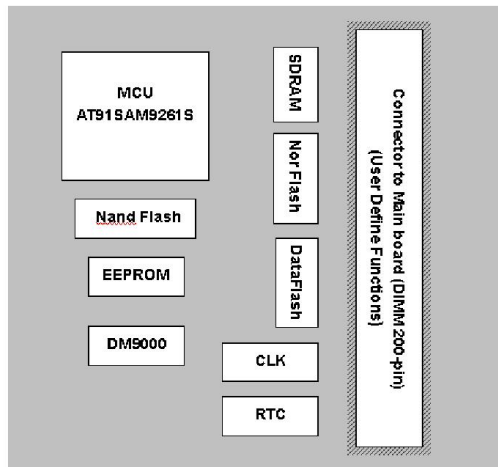


The Embest Mini9261-I CPU Module provides an ultra-low power solution for your next embedded design. The tiny CPU module supports the Atmel AT91SAM9261S ARM926EJ-S based 32-bit RISC microcontroller. It has a DIMM 200-pin connector on board which can help implement all features of the AT91SAM9261S. User can insert this module into your expansion boards via this connector for different applications.

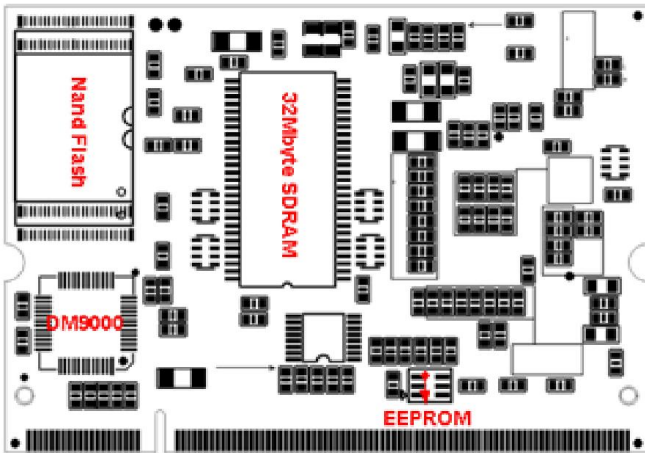
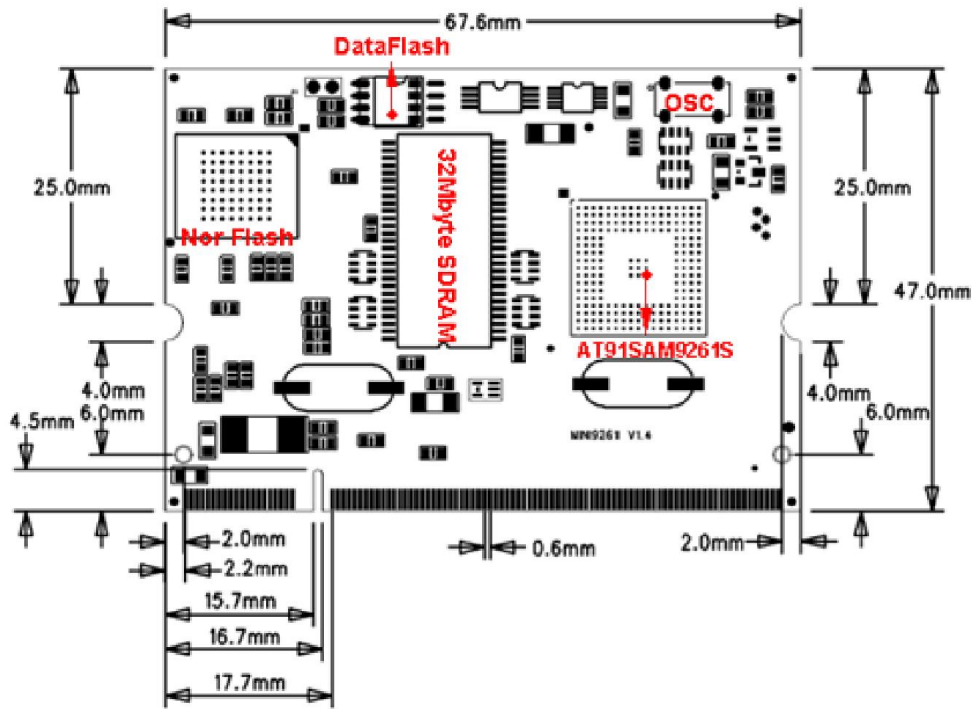
Embest also designed one expansion board for the Mini9261-I and offers Linux 2.6.24 and WinCE 6.0 BSP with the board, customers can use the board kit SBC9261-I already if cater to your needs.



System block diagram:



Mechanical Size:



Hardware Features:

Processor/Memory:

- Atmel AT91SAM9261S microcontroller based on the ARM926EJ-S processor with MMU (AT91SAM9261 is compatible)
- DSP Instruction Extensions
- ARM Jazelle® Technology
- 16 Kbyte Data Cache, 16 Kbyte Instruction Cache, Write Buffer
- 210 MIPS at 190 MHz
- Embedded ICE
- 32 Kbytes internal ROM
- 16 Kbytes internal SRAM
- 64Mbyte SDRAM
- 128Mbyte Nand Flash (Support 256MB for option)

I/Os/Interfaces:

- 4Mbyte Nor flash (bootable, selected through jumper, support 8MB for option)
- 1Kbit EEPROM (DS2431)
- 4Mbyte SPI serial DataFlash (bootable, selected through Jumper)
- On-chip PLL generates the 18.432MHz OSC up to operate MCU at up to 200MHz
- 32768Hz RTC
- One 10M/100M Ethernet Controller (DM9000AEP)
- I/O CPU lines and all hardware interfaces can be extended via DIMM 200-pin

Electrical Features:

- Dimensions: 67.6mm x 47mm
- Temperature: 0 to +70 Celsius
- Power Supply: Single 3.3V