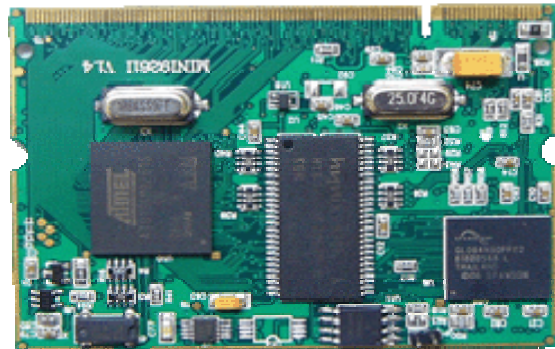




Embest - MINI9261-I - Mini9261-I Processor Card

Product Overview:

The Embest Mini9261-I processor card 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 BSP with the board, customers can use the board kit SBC9261-I already if cater to your needs.



Key Features:

- Dimensions: 67.6mm x 47mm
- Temperature: 0 to +70 Celsius
- 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)
- 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

- Single 3.3V power supply

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
MINI9261-I	Embest	NA	64R5937

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
AT91SAM9261SB-CU	Atmel	AT91 ARM Thumb-based Microcontrollers	1715467	15R0332
SPC19944	SPC Technology	Shielded Serial Cable Assembly	1702771	83K3689
SPC15457	SPC Technology	Standard 9 Pin D-Subminiature Connector	1653954	79K5032
SPC21961	SPC Technology	Category 5e Cable Assembly	1363809	21M5875
555052-1	Tyco Electronics	RJ45 JACK	1557068	66F3284
897-43-004-90-000000	Mill Max	USB Connector	1621546	84K7068

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
LPCEB2000-SP	Embest	Processor Card Based ARM	LPC2129	NA	64R5924
LPCEB2001-AP	Embest	Processor Card Based ARM	LPC2132	NA	64R5926
LPCEB2002-BP	Embest	Processor Card Based ARM	LPC2292	NA	64R5928
Mini2440-I	Embest	Processor Card Based ARM	AT91SAM9261S	NA	63R5730

Document List:

Datasheets:

Part Number	Description	Size
MAX3232	RS-232 Transceivers	752KB
LM1117DT-ADJ	800mA Low-Dropout Linear Regulator	647KB
AT91SAM9261S	AT91 ARM Thumb-based Microcontrollers	10.7MB

Application Notes:

File Name	Size
AT91-AN01: Using the Two-wire interface (TWI) in Master Mode on AT91SAM Microcontrollers	1.05MB
AT91SAM Internet Radio	425KB
AT91SAM7S64 USB Certification	1.39MB
AT91SAM9 LCD Controller	372KB
Using the Serial Peripheral Interface with AT91SAMxx Devices	149KB