Mini2440 | S3C2440 ARM9 Board

FriendlyARM Mini 2440 SBC (Single-Board Computer) with 400 MHz Samsung S3C2440 ARM9 processor.

[Mini2440 Schematics](#)

Specification

- **Dimension:** 100 x 100 mm
- **CPU:** 400 MHz Samsung S3C2440A ARM920T (max freq. 533 MHz)
- **RAM:** 64 MB SDRAM, 32 bit Bus
- **Flash:** up to 1GB NAND Flash and 2 MB NOR Flash with BIOS
- **EEPROM:** 256 Byte (I2C)
- **Ext. Memory:** SD-Card socket
- **Serial Ports:** 1x DB9 connector (RS232), total: 3x serial port connectors
- **USB:** 1x USB-A Host 1.1, 1x USB-B Device 1.1
- **Audio Output:** 3.5 mm stereo jack
- **Audio Input:** Connector + Condenser microphone
- **Ethernet:** RJ-45 10/100M (DM9000)
- **RTC:** Real Time Clock with battery (CR1220)
- **Beeper:** PWM buzzer
- **Camera:** 20 pin (2.0 mm) Camera interface
- **LCD Interface:** 41 pin (1.0 mm) connector for FriendlyARM Displays and VGA Board
- **Touch Panel:** 4 wire resistive
- **User Inputs:** 6x push buttons and 1x A/D pot
- **User Outputs:** 4x LEDs
- **Expansion:** 40 pin System Bus, 34 pin GPIO, 10 pin Buttons (2.0 mm)
- **Debug:** 10 pin JTAG (2.0 mm)
- **Power:** regulated 5V (DC-Plug: 1.35mm inner x 3.5mm outer diameter)
- **Power Consumption:** Mini2440: 0.3 A, Mini2440 + 3.5" LCD: 0.6 A, Mini2440 + 7" LCD: 1 A
- **OS Support**
  - Windows CE 5 and 6
  - Linux
  - Android

Board