MINI6410 + LCD7.0 (256MB)

The Mini6410 development board is an excellent ARM11 board offering a comprehensive solution integrating both hardware and software. It is designed, developed and distributed by FriendlyARM in Guangzhou, China. It applies the Samsung S3C6410 microprocessor and inherits all the features and benefits of our most popular Mini2440 products excelling in quality and easy to use with low cost. Compared to our previous products it has more reliable design and varied interfaces. These features make it easily and widely used in MID development, auto electronic devices, industrial applications, GPS systems and multimedia systems. It is good for educational training, embedded development and DIY as well.

SPECIFICATION

●CPU

- Samsung S3C6410A, ARM1176JZF-S, 533Mhz, maximum 667Mhz

●DDR RAM

- On board 256M DDR RAM (128M Optional)
- 32bit Data Bus

●FLASH Memory

- On board 256M SLC Nand Flash

●LCD

- Model Number : NL2432HC22-23B
- Company : NEC
- Panel type : TFT
- LCD size : 8.90cm 3.5"
- Resolution : 320 x 240 RGB
- Reflectivity : 7
- Illiumination : 90cd/m
- Contrast : 10:1
- Display mode : 80:1 transmissive
- Shape size : 64.0(H) 71.52(V) (mm)
- Dot pitch : 74.5m x 223.5m
- Backlight type : LED
- Working temperature : 10 to +55ºC
- Storage temperature : 20 to +70ºC

For MINI6410 LCD7.0(256MB)-W standard OS is WindowsCE License

Product Content

-MINI6410 Board+TFT LCD 7.0" with Touch Screen

-Software Tool CD

-USB Cable

-Ethernet Cable (cross link)

-RS-232 Cable

- Adapter 5V/2A

● Interfaces and External Accessories

- 1 * 100M Ethernet RJ-45 port (powered by   the DM9000 network chip)
- 1 * DB9 RS232 five-wire serial port (with 4 TTL serial ports)
- 1 * mini USB Slave 2.0 with OTG
- 3.5mm dual stereo audio output and single microphone input
- 1 * TV-OUT output with RCA port
- 1 * USB Host 1.1 port
- 1 * standard SD card socket
- 1 * Infrared receiver
- 5V power supply
- 1 * I2C-EEPROM chip (256 byte), for I2C Bus test
- 4 * USER LED (green)
- 8 * USER Button (interrupt pins, extended from board)
  Mini2440 LCD and the other 40 pin 2.0 mm spaced doubled line connector)
- 1 * 20pin 2.0mm spaced SDIO interface (can be connected to SD WiFi and include an SPI and an I2C)
- 1 * 20pin 2.0mm spaced CMOS camera interface
- 1 * 30 pin 2.0mm spaced GPIO port
- 1 * 40 pin 2.0mm spaced system bus interface
- 1 * 10pin 2.0mm spaced button socket including 8 interrupt pins, power and ground

● PCB Overview

- PCB layer: 6
- 110 x 110 mm

● OS Support

The Mini6410 development board currently can load the following operating systems:

- Linux2.6.38(or latest) + Qtopia-2.2.0 + QtE-4.7.0
- WindowsCE.NET 6.0(R3)
- Android 2.3.2 (or latest)