



## **1G Tiny210 SDK-1 ARM11 Board + 7" TFT LCD**



### **Product Info**

The Tiny210 Single Board Computer is a high-performance controller board introduced. It is designed based on the S5PV210 microcontroller, 512MByte DDR2 RAM, 256MByte Nand Flash, RTC, Audio and net on board. It has integrated RS232, USB, Ethernet, Audio In/Out, Keyboard, LCD, HDMI, TV out, camera in, SDIO WiFi Module, SD card and more other functions on board. So many hardware resources provided by the expansion board, it becomes a solid reference board for customer design.

We also offers a complete software development package to customers. The board supports linux2.6.35, Android2.3 operating system and is provided with complete basic drivers which enable a quick channel to evaluate the Samsung S5PV210 processor and customize application software. It would be an ideal development platform for multimedia and communication applications.

## **Hardware Features:**

### **CPU**

Samsung S5PV210, based on CortexTM-the A8, 1 GHz frequency

Inside PowerVR SGX540 high-performance graphics engine

2 D / 3 D graphics acceleration

Support MAX 1080 p @ 30 FPS hardware decoding video smooth playback, format for MPEG4, h. 263, h. 264, etc

Support MAX 1080 p @ 30 FPS hardware encoding (mpeg-2 / VC1) video input

### **DDR2 RAM:**

Size: 512MB

32bit data bus, 200MHz

### **FLASH:**

SLC NAND Flash: 1GB

### **Multi-IO:**

2 x 60 Pin 2.0mm space DIP connector

1 x 30 Pin 2.0mm space DIP connector

1 x 51 Pin 1.0mm space SMD connector

### **Board:**

4 x User Leds(Green)

1 x Power Led(Red)

Supply Voltage from 2V to 6V

### **Mechanical:**

Dimension: 64x 50x 11mm

### **Software:**

Superboot-210

Android 2.3 + Linux-2.6.35

Android 4.0

Linux-2.6.35 + Qtopia-2.2.0/Qt-4.4.3/Qt-4.7

**Package List:**

- 1 ×Tiny210 mother board
- 1 ×Tiny210 core board
- 1 ×4.3" LCD with touch screen
- 1 ×DVD
- 1 ×serial cable
- 1 ×miniUSB cable
- 1 ×internet cable
- 1 ×power