SMDKV210 Product Guide Book

The SMDKV210(S5PV210 Development Kit) is
the official reference/evaluation board for Samsung S5PV210.
It is the basic system-based hardware design which uses the S5PV210.
It can evaluate the basic operations of the S5PV210
and assist in developing codes.

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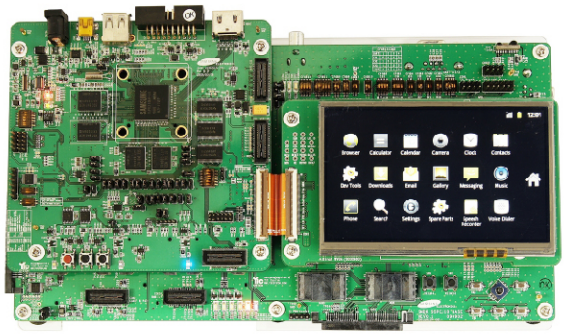
INTRODUCTION



SMDKV210

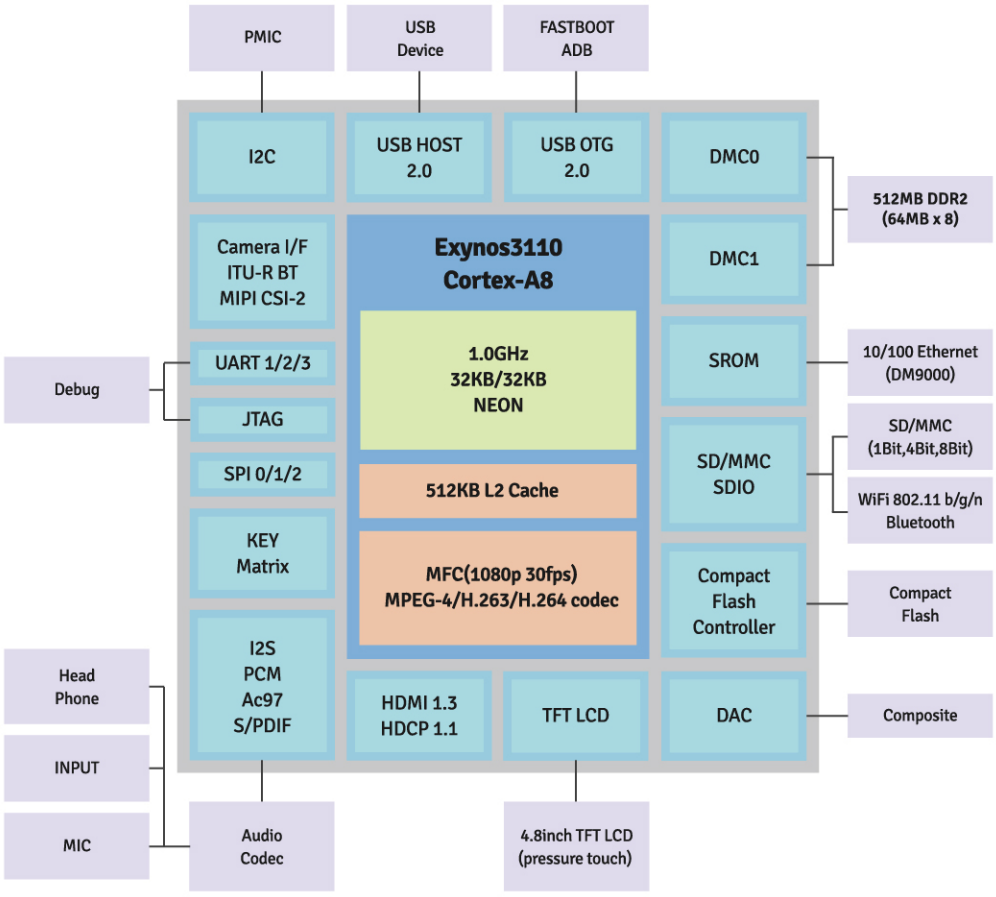
- Samsung S5PV210 System Reference Board.

OVERVIEW

The SMDKV210(S5PV210 Development Kit) is the official reference/evaluation board for Samsung S5PV210.
It is the basic system-based hardware design which uses the S5PV210.
It can evaluate the basic operations of the S5PV210 and assist in developing codes.

SPECIFICATION

Diagram



Feature

Parts		Description	Type	Num.
CPU	S5PV210	Samsung Cortex-A8	BGA device	1
Memory	External	1MB NOR Flash	48TSOP	1
		256MB NAND Flash	48TSOP	1
		8GB DDR2	BGA device	8
		OneNand I/F	Connector	1
		External ROM I/F	Connector	1
		16Mb SRAM	BGA device	1
COM	USB	USB 2.0 OTG	Socket	1
		USB 2.0 Host	Socket	1
	Serial	RS232	9pin Female	2
		IrDA	Port	1
	Ethernet	DM9000(10/100Mbps)	RJ45 JACK(Combo)	1
Modem I/F	Modem I/F	MSM	Connector	1
LCD & Touch	TFT LCD & Touch	3.1 or 4.8inch TFT LCD	LCD module	1
Storage	SD/SDIO/MMC	4GB SDHC & ports	Socket (3 in one)	3
	CF(ATA)	CF socket	Socket	2
Multimedia	Audio	S/PDIF 5.1 Audio	JACK	1
		IIS/AC97/PCM	JACk	
	Video	HDMI 1.3 Video	JACK	1
		TV Out (Composit)	JACK	1
	Camera I/F	General Camera I/F x 2	Connector	3
	MIPI I/F	MIPI-CSI	Connector	1
		MIPI-DSI	Connecgtor	1
	SPI	High Speed SPI	Header	3
Key/button	Key	Jog stick	TACK	1
		Querty_Key I/F	Connector	1
		Extended Key I/F	Connector	1
	Button	Power, Reset, Int, ..	buton	
Debug I/P	Debug Port	JTAG 10x2	Box Header	1
	Status LEDs	LEDs	LED	14

PACKAGE

Parts	Description	Num.
CPU Board	S5PV210 CPU Board	1
Base Board	Base board for I/O Interface	1
LCD Board	4.8 inch with Touch	1
Power Adapter	5V DC / 2A	1
Cable	9pin Serial cable (Male/Female)	1
	USB2.0 A/M to mini B/M	1
	Ethernet Cable	1
Memory	4GB SDHC	1
	256MB NAND Flash in Socket	1
	1MB NOR Flash in Socket	1
CD *note 1)	Setup Guide, Utility, Files	1

note 1)

Anroid Image is include in the CD but No BSP.
You should contact the Samsung Distributor to get the BSP (NDA with Samsung required).

Accessory



9pin serial cable (Male/Female)



Ethernet Cable



USB 2.0 A/M
to B/M cable



Power Adapter



SD Card

PURCHASE

sales@yicsystem.com

A/S information

Warranty Period

Emulator / Board

- Emulator : 12 Months
- Board : 6 Months
- Within in the warranty period : Free of charge
- Later than the warranty period : provide a quotation for the repair cost

YIC System shall not be liable in respect of defects in the product arising from (a) Customer error or neglect in its use or storage of the product (b) Any modification of the product made by anyone other than YIC System (c) The use of the product is combination with other equipment, software or technology not purchased or licensed from YIC System, provided that such defects would not have occurred but for such combination, modification or enhancement.

Accordingly, if upon customer's return of faulty product, it is clear that the fault has arisen out of one or more of the above set of circumstances, then YIC System reserves the rights to change the full price of any replacement unit.

A/S Procedure

Before returning the product to YIC System, the customer should contact the YIC System and provide information as below.

a) A fault description
b) The product serial number

A/S information

If you have any inquiries during using our product,
please contact us by e-mail or telephone.

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111-7 Guun-dong, Gwonseon-gu, Suwon-city,
Gyeonggi-do, Korea

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