SMDKC220 Product Guide Book

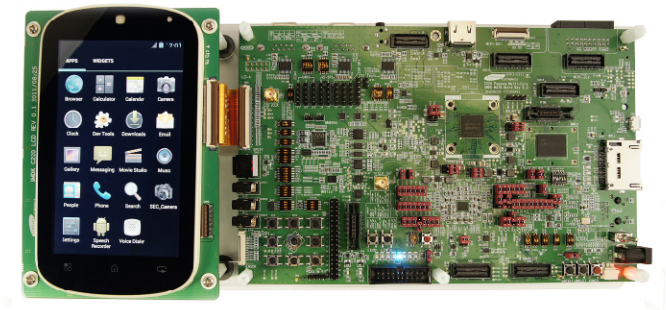
SMDKC220 board is
the offical reference board
of Samsung Exynos4412 System

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INTRODUCTION



SMDKC220

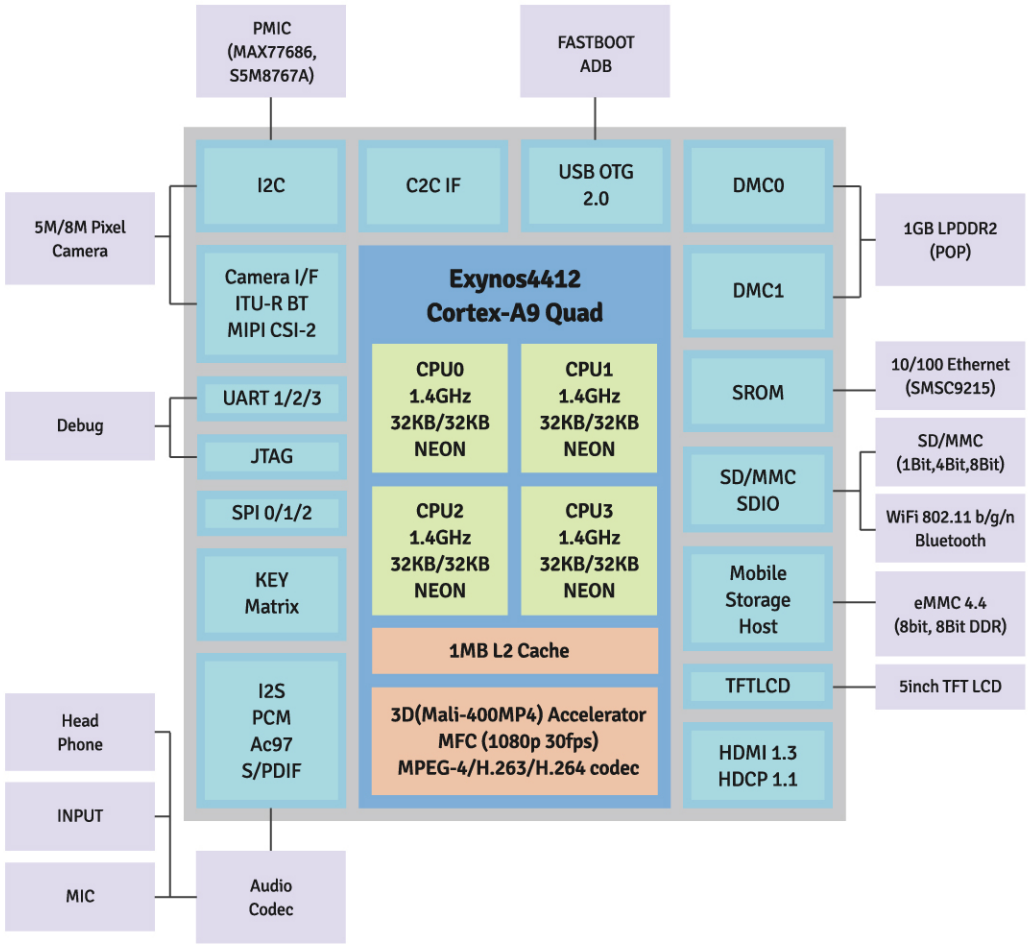
- Samsung Exynos 4412 System Reference Board.
- SMDKC220 board is the offical reference board of Samsung Exynos4412 System.

OVERVIEW

The SMDKC220 (Exynos4412 Development Kit) highlights the basic system-based hardware design which uses the Exynos4412. It can evaluate the basic operations of the Exynos4412 and assist in Developing codes.

SPECIFICATION

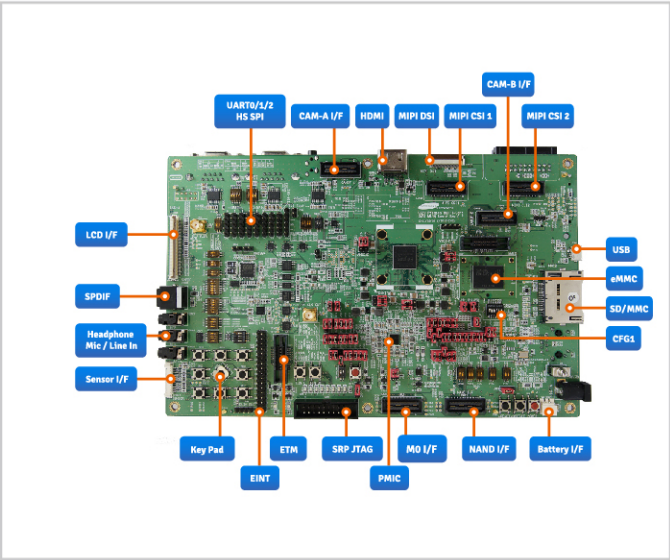
Diagram

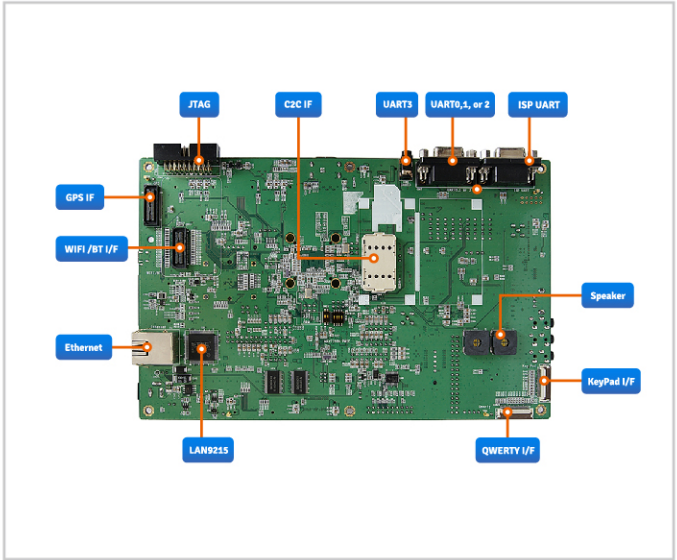


Feature

Parts		Description	Type	Num.
CPU	S5PC220 (Exynos4412)	Samsung Cortex-A9(Quad)	On Board	1
Memory	RAM	1GB LPDDR2 (Size/Type is pop-dependent)	POP on CPU	1
Storage	eMMC	8GB iNAND	On Board	2
	SDMMC	SD/SDIO/MMC I/F	Socket	1
	NAND	NAND I/F	Connector (40pin Samtec)	1
Power	PMIC	S5M8767A(Samsung) or MAX77686(Maxim)	On Board	1
COM	USB	USB 2.0 OTG (Host/Device)	Socket	1
	Serial	RS232	9pin Female	1
			3pin Female	1
	Ethernet	LAN9215 (10/100Mbps)	RJ45 JACK (Combo)	1
	Wifi/BT	WIFI/BT I/F	Connector (40pin Samtec)	2
C2C I/F	C2C I/F	C2C	Socket	1
LCD&Touch	TFT LCD&Touch	5 inch TFT LCD (Capacitive Touch)	LCD module	1
Multimedia	Audio	S/PDIF 5.1 Audio MIC, Line In, Headphone (WM9713G, WM8994)	JACK	1
	Video	HDMI 1.4 Video	JACK	1
	Camera I/F	General Camera I/F	Connector	4
	MIPI I/F	MIPI-CSI	Connector	1
		MIPI-DSI	Connector	1
	SPI	High Speed SPI	Header	1
Others	ENIT	External INT Test point	Test Point	2
	HSIC	HSIC	Connector	3
	SLIM	SLIM BUS	Header	32
	Sensor	-	Connector	4
	GPS	-	Connector(40pin Samtec)	1
	Key	Jog stick	TACK key	1
		Querty_Key I/F	Connector	1
		Extended Key I/F	Connector	1
	Button	Power,Reset, Int	button	12
	Debug Port	JTAG 10x2	Box Header	2
	Status LEDs	LEDs	LED	21

Layout





PACKAGE

Parts	Description	Num.
Main Board	S5PC220 Board	1
LCD Board	5 inch with Touch	1
Power Adapter	5V DC / 3A	1
Cable	9pin serial cable (Male/Female)	1
	3pin serial cable	1
	USB 2.0 micro OTG	1
	Ethernet Cable	1
Memory	4GB SDHC	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



3pin serial cable



USB 2.0 A/M
to micro 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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441-814 Gyeonggi Small & Medium Business
Growth Accelerating Center 3F,
111-7 Guun-dong, Gwonseon-gu, Suwon-city,
Gyeonggi-do, Korea

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