YSE5250 Product Guide Book

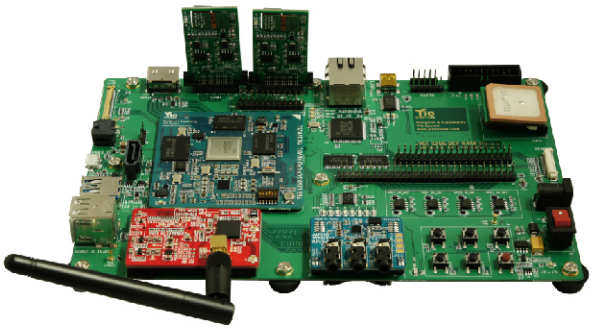
YSE5250 board is a new community board based on Exynos5250, Cortex-A15 Dual

Smile with you.

www.yicsystem.com

YIC SYSTEM

INTRODUCTION



YSE5250

- A New Community board of YIC System
- YSE5250 board is a new community board based on Exynos5250, Cortex-A15 Dual

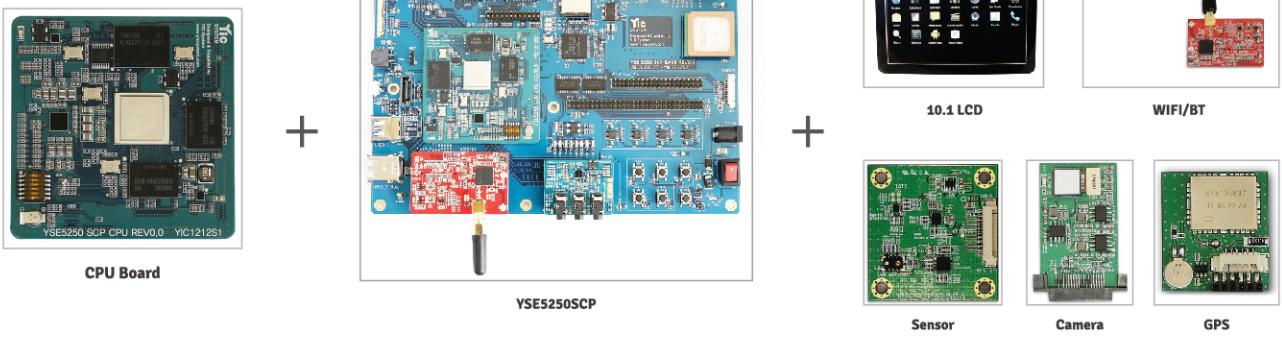
OVERVIEW

YSE5250, a new community development board designed by YIC System who has developed the SMDK boards which are the certified Samsung AP development team officially and uniquely offers more stable and outstanding performance, Clock speed up to 1.7GHz, High-performance of MFC and ISP, Low Power Consumption (30% lower than previous 45nm) and world's highest resolution - WQXGA.

High Light

1. Modular System

YSE5250 consist of CPU board, base board and option boards so that you can test the each functions with the system.



2. Android OS

Android Image and BSP is supplied with the board.
- Android ICS 4.04
- Android JellyBean 4.2 (05' 2013)

SPECIFICATION

CPU Board

Parts		Description	Type	Num.
CPU	S5PC520 (Exynos5250)	Samsung Cortex-A15 (Dual)	On Board	1
Memory	External DRAM	2GB DDR3 (32bit 800MHz)	On Board	2
Storage	eMMC	Samsung 8GB	On Board	1
PMIC	S5M8767	Samsung Power Management IC	On Board	1

Base Board

Parts		Description	Type	Num.
Storage	SDMMC	SD/SDIO/MMC I/F	Socket	1
	SATA	SATA I/F	Connector	1
	SATA Power	SATA Power I/F	Connector	1
COM	USB	USB 2.0 OTG (MINI B Type)	Connector	1
		USB 2.0 Host/Device (Micro A Type)	Connector	1
		USB 3.0 Host/Device (A Type)	Connector	1
	Serial	FT232 (Serial to USB)	Connector	1
		UART0 I/F	Pin Header	1
	Ethernet	SMSC9215 (10/100Mbps)	RJ45 Connector	1
	Wifi/BT	WIFI/BT I/F	Connector (40pin Samtec)	1
	GPS	GPS I/F	Pin Header	1
LCD & Touch	TFT LCD&Touch	MIPI DSI	Connector	1
Multimedia	Audio	I2S Audio I/F	Pin Header	1
	Video	HDMI 1.4 Video	Connector	1
	eDP	eDP I/F	Pin Header	1
	MIPI CSI	MIPI-CSI I/F	Connector (40pin Samtec)	2
	HS-SPI	High Speed SPI	Pin Header	1
Others	ENIT	External INT Test point	Pin Header	1
	EBI	External BUS I/F	Pin Header	1
	ADC	ADC I/F	Pin Header	1
	Sensor	Sensor I/F	Connector	1
	Button	Power, Reset, Int, ..	Button	6
	Switch	Power Switch	Switch	1
	Debug Port	JTAG (10x2) I/F	Box Header	1
	Status LEDs	LED	LED	14

Audio Board

Parts		Description	Type	Num.
Codec	WM1811	Header Phone	Jack	1
		MIC	Jack	1
		Line In	Jack	1

WIFI/BT Board

Parts		Description	Type	Num.
Device	AW-NH387 (Marvel 88w8787)	WIFI(802.11 a/g/b/n)	Connector (40pin samtec)	1
		BLUETOOTH 2.1+EDR		

Sensor Board

Parts		Description	Type	Num.
Device	L3G4200D	Gyroscope sensor	Connector	1
	LIS3DH	Accelerometer sensor		
	AK875	Magnetic sensor		
	CM3663	Light & Proximity Sensor		

Camera Board

Parts		Description	Type	Num.
Device	S5K4ECGX	5M Camera	Connector(40pin samtec)	1

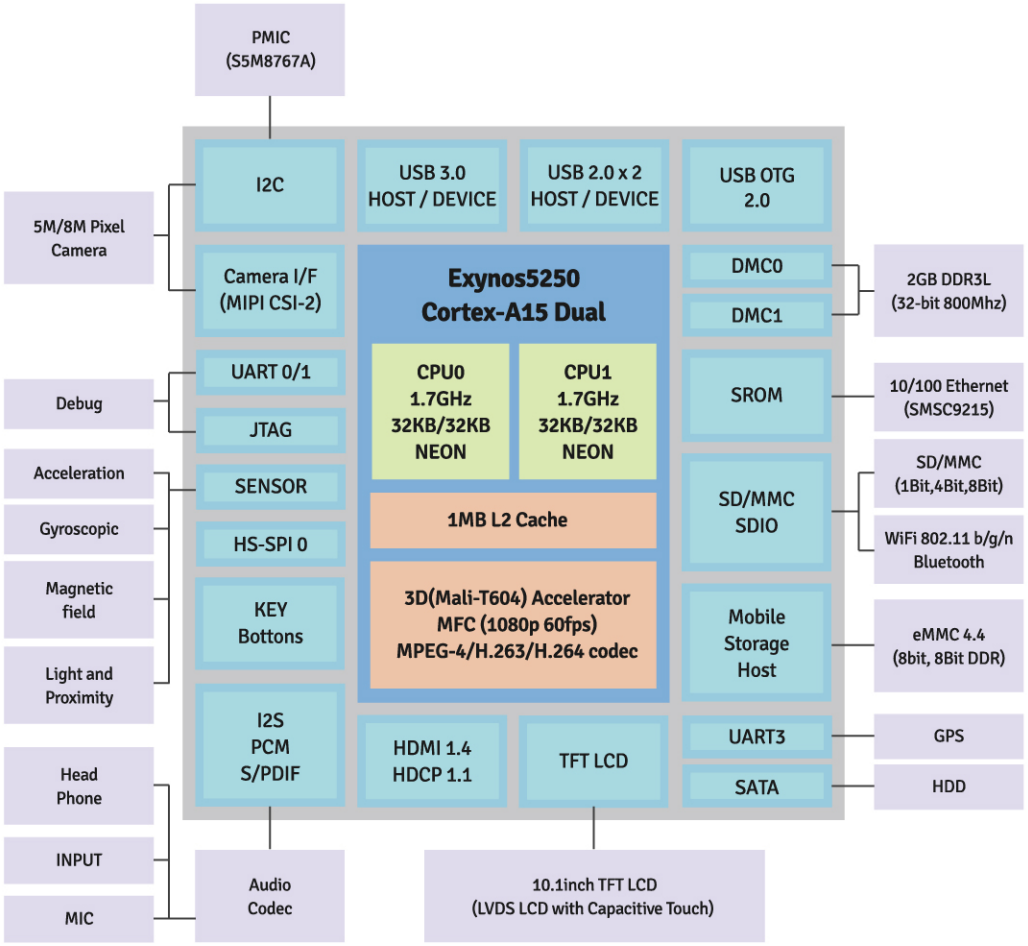
LCD Board

Parts		Description	Type	Num.
Device	TFT LCD (10.1 " Truly)	MIPItoLVDS(Toshiba) convertor & Touch panel(capacitive)	Connector	1
	Multi-Touch Screen			

GPS Board

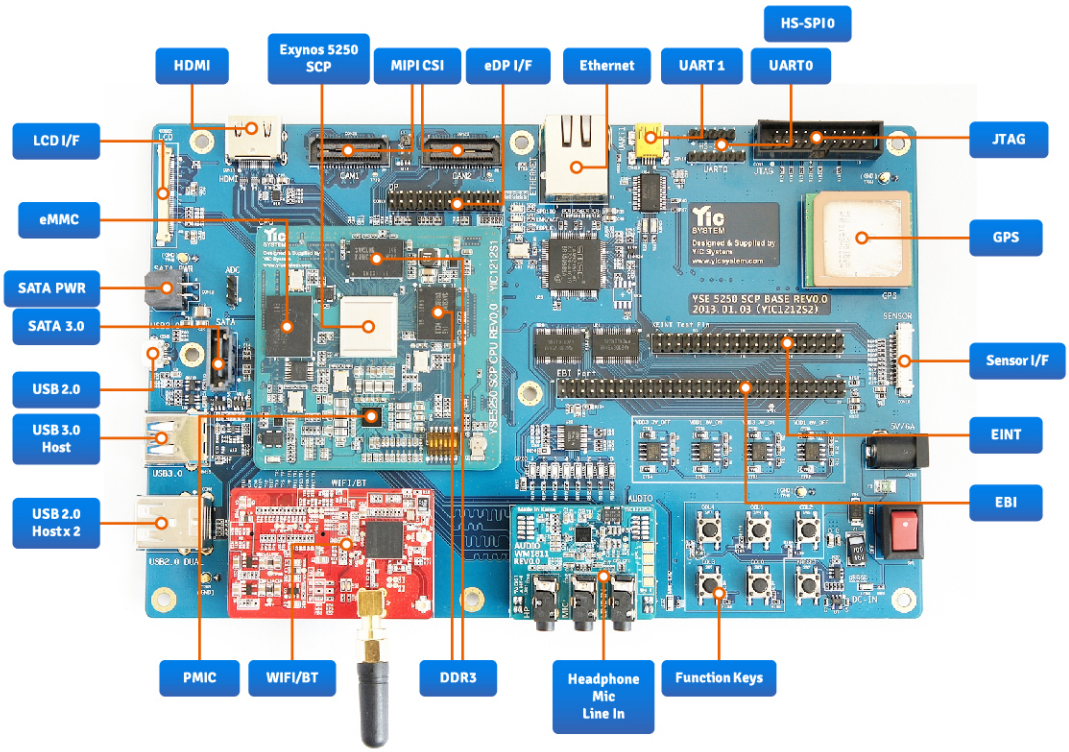
Parts		Description	Type	Num.
Device	G1613BB0C (Patron)	GPS Moduel	Header	1

Diagram



YSE5250 (SCP)

Layout



PACKAGE

YSE5250 Package-A

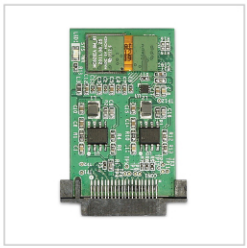
Parts	Description	Num.
CPU	YSE5250 CPU Board	1
Memory	YSE5250 Base Board	1
Modules	WIFI/BT Board	1
	Sensor Board	1
	Audio Board	1
	GPS Board	1

YIC System provides the BSP.
You should join the members in order to download the BSP from our website.

External devices (Option)



10.1 inch LCD with Touch



MIPI Camera 5M



128GB SSD

Accessory (Options)



Accessories package
Power Adapter, HDMI, USB 2.0 A/M to mini B/M,
USB 2.0 A/M to micro B/M, 4GB SD card

PURCHASE

sales@yicsystem.com

A/S information

Warranty Period

Low Cost Borad - YSE5250

For more fast and efficient processing, please contact us without hesitation before sending the product back you us. Your contact will allow us to confirm That we have a stock or not

Exchange
You can return unused items within 30 days of shipping date for an exchange. We will send the requested item to you with YIC System FedEx account. The customer should pay all return freight cost, including duty and tax. For shipment protection, we recommend that all shipping process for exchange should be proceeded through a traceable carrier such as tracking information offered by Most of major Courier Company.

Any defective item or incorrect shipment will be replaced by YIC System FedEx Account.
Please allow 7 days after providing receipt from our warehouse for your exchange. We will do our best to ship the requested item to you within 7 days.

Refund
Your unused products may be returned within 7 days of shipping date. Return freight cost has to be prepaid. We feel sorry but C.O.D returns cannot be accepted.

A/S information

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

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