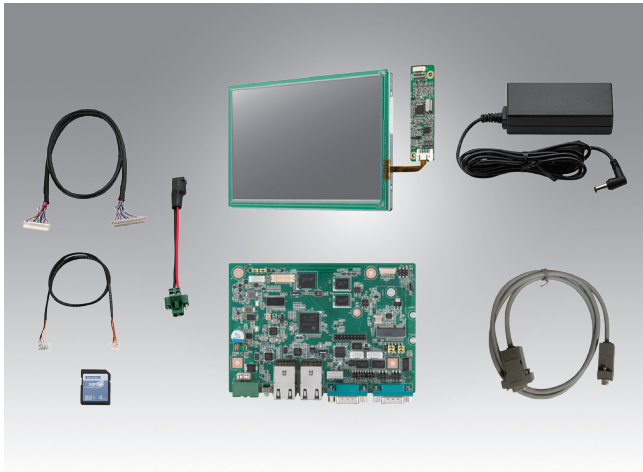


# RSB-4221 Evaluation Kit

TI Sitara™ ARM® AM3358 Cortex®-A8  
3.5" SBC with Android 4.2



## Features

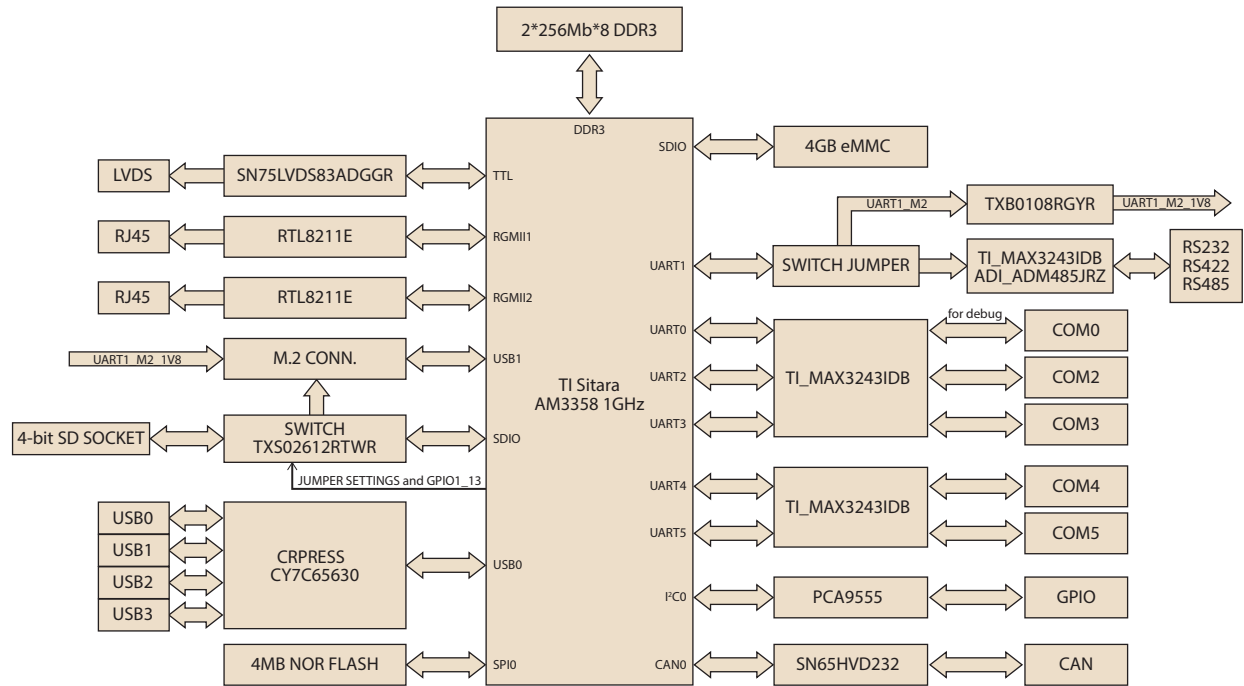
- Evaluation kit for RSB-4221
- Low power TI Sitara AM3358 1GHz processor
- On-board DDR3 800MHz 512MB & 4MB SPI NOR Flash & 4GB eMMC NAND Flash
- Supports 18-bit LVDS with up to 1366 x 768 resolution
- M.2 E-key slot for Wi-Fi/Bluetooth module
- Hardware watchdog timer for system protection
- Operating temperature 0 ~ 60 °C
- Cable pack & Panel included
- Evaluative image & test utilities built-in



## Specifications

Kernel	CPU	TI Sitara AM3358 Cortex A8 1.0GHz
	System RAM	512 MB DDR3 Memory
	Image/AP Flash	4 GB onboard eMMC
	Graphics Chip	CPU internal 18bit TTL to LVDS
	RTC	Yes
	Watchdog Timer	Yes
	Reset	H/W reset & S/W reset
I/O	COM	1 x 4-wire RS232/422/485 and 4 x 2-wire RS232 ports
	Ethernet LAN	2 x 10/100/1000 Mbps
	USB	4 x USB 2.0 hosts (2 x USB ports and 2 x pin headers)
	SD/MMC	1 x SD slot (optional w/ M.2)
	I <sup>2</sup> C Interface	1
	CAN Bus	1
	M.2 E-Key	1
GPIO	12	
Multimedia	Graphics Chip	Supports 18-bit LVDS with up to 1366 x 768 resolution
	Resolution	1366 x 768
	LCD Interface	18bit LVDS
	Brightness/Backlight Control	Yes
Power	DC-input	+12V DC-in
Power Consumption	Normal Run	~1.8W
	Full Run	~2.4W
Mechanical & Environmental	Board Size	146 x 102 x 1.6 mm
	Weight	110g
	Operating Temperature	0 ~ 60 °C (32 ~ 140 °F)
	Operating Humidity	5% ~ 95% relative humidity, non-condensing

## Block Diagram



## Ordering Information

Part Number	Description
RSB-DK4221-F0A1E	RSB-4221 Evaluation Kit

## Option Accessories

Part Number	Description
170203183C	Power cord 3P Europe 183cm
170203180A	Power cord 3P UK 183cm
1700001524	Power cord 3P USA standard

## Packing List

Part Number	Description	Quantity
9696422102E	Sitara AM3358 512M DDR3 SDRAM, 4 GB onboard flash	1
96PSA-A36W12R1	ADP A/D 100-240V 36W 12V	1
1700023307-01	DC JACK to Plug-in cable	1
SQF-ISDS1-4G-82C	SQFlash SD card 4G	1
IDK-1107WR-40WVA1E	7" LED PANEL 400N with 4WR touch, 800 x 480 (G)	1
1700024543-01	LVDS cable	1
1700023366-01	LCD backlight cable	1
1700019474	D-SUB 9P cable for debug	1