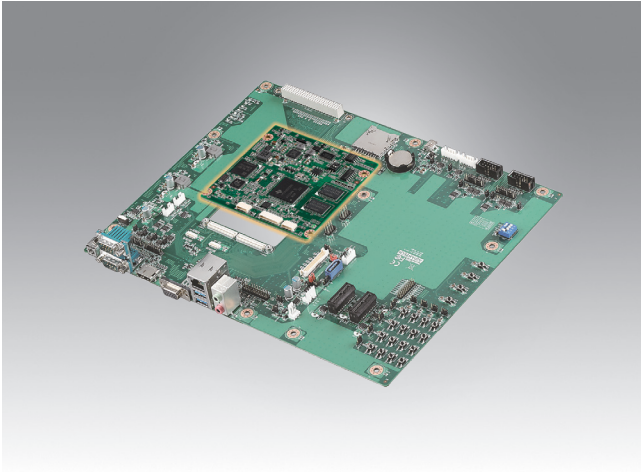


# ROM-3310 Evaluation Kit

Development Kit for RTX 2.0 computer  
Module ROM-3310



## Features

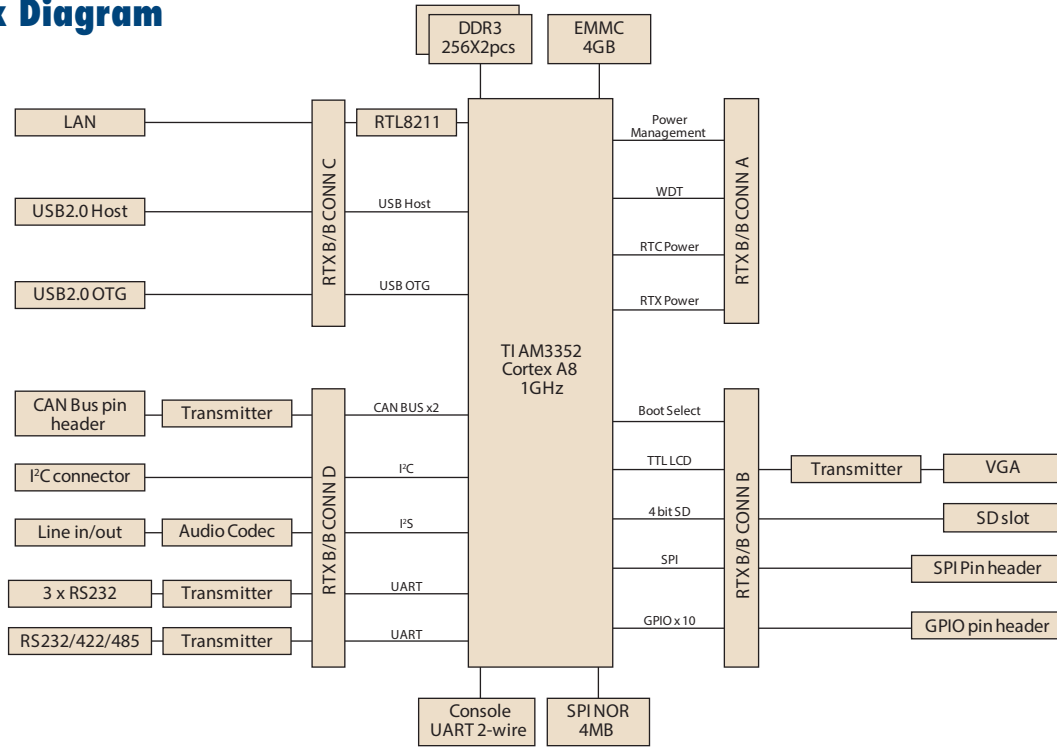
- Evaluation kit for ROM-3310
- Lower power TI sitara AM3352 1GHz processor
- On board DDR3 512MB memory / 4GB Flash
- HW WDT for system protection
- Supports 1 GbE, 1 USB 2.0, 1 USB 2.0 OTG, 2 CANbus, 10 GPIO, 4 UART, 1 I<sup>2</sup>C, 1 I<sup>2</sup>S, 1 SPI, 1 SDIO
- Cable pack & SD card & Adapter included
- Evaluative image & test utilities built-in



## Specifications

Form Factor		RTX 2.0 ROM-3310 Evaluation Kit
Processor System	CPU	TI Sitara Cortex A8 AM3352 1Ghz
Memory	Technology	DDR3 on board 800MHz
	Capacity	512MB
	Flash	4GB EMMC NAND Flash for O.S & 4MB SPI NOR Flash for ADV Loader
Graphics	Parallel RGB	24bit TTL to VGA
	Chipset	TI AM3352 Integrated RGMII
Ethernet	Speed	1 x 10/100/1000 Mbps
	RTC	Yes
WatchDog Timer		MSP430G2202 (time out : 0.1-6553.5s, power on/off 4s)
I/O	USB	1 x USB 2.0 Host, 1 x USB 2.0 OTG
	Audio	1 x Min in, 1 x Line out
	SDIO	1 x SD card slot
	Serial Port	1 x RS232/422/485 w/ 4wire; 3 x RS232 w/ 2wire
	SPI	1
	CAN	2 x CAN bus 2.0B
	GPIO	10
	I <sup>2</sup> C	1
Power	Power Supply Voltage	19V DC Jack
	Power Consumption	2.11W (Max)
Environment	Operational Temperature	0 - 60 °C (32 - 140 °F)
	Operating Humidity	0% - 90% relative humidity, non-condensing
Mechanical	Dimensions (W x D)	305 x 244 mm (12" x 9.6")
Operating System		Linux Yocto
Certifications		CE/FCC Class B

## Block Diagram



## Ordering Information

Part Number	Description
ROM-DK3310-F0A1E	ROM-3310 Evaluation Kit
ROM-DK3310-F0A2E	ROM-3310 Evaluation Kit w/o power code for china

## Option Accessories

Part Number	Description
170203183C	Power Code 3P Europe 183cm
170203180A	Power code 3P UK 183cm
1700019146	Power Cord CCC 3P 2.5A 250V 183cm

## Packing List

Part No.	Description	Quantity
9696M39000E	RTX 2.0 Carrier board ROM-DB3900	1
9696M33100E	RTX 2.0 CPU module TI AM3352 Cortex A8 with 512MB memory	1
9696ED2000E	Debug adapter board	1
1700001524	Power cord 3P UL 10A 125V 180cm	1
1700006911	USB OTG to Type A male cable	1
1700019077-01	USB OTG to Type A female cable	1
1700022373-01	Debug port cable for ROM-3420/5420/3310	1
1700019474	A Cable D-SUB 9P for RS232/RS485	1
96PSA-A65W19V1-1	Adapter 100-240V 65W 19V 3.42A w/o P 9NA0651217	1
9696MEG520E	Audio codec board	1
SQF-ISDS1-4G-82C	SQF SDHC C10 SLC 4G 1CH 0 - 70 °C	1