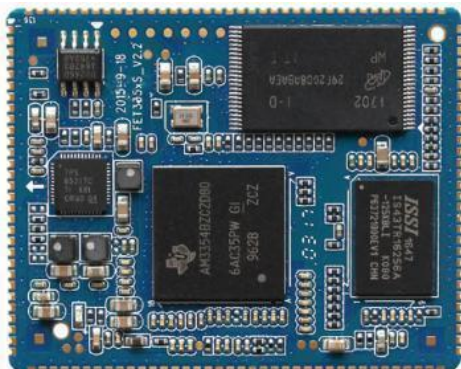# TEXAS INSTRUMENTS

FET335xS SoM

OVERVIEW

FET335xS system on module is based on AM3354 processor up to 800MHz, operating temperature ranges from -40℃ to +85℃. It support many industrial bus, such as: CAN, PROFIBUS, RS485, etc, support dual gigabyte Ethernet port, 324-pin CPU module, each pin is multiplexed with up to 8 configured functions.FET335xS CPU modules have 512M DDR3 RAM and 256M Nandflash on it, could greatly help users to reduce the cost of product development.

SoM FET33xS Features			
CPU	TI Sitara AM3354@ 800MHz	Ethernet	2x 10/ 100/ 1000Mbps
Architecture	Cortex-A8	UART	6
RAM	512MB DDR3	CAN	2
Flash	256MB NandFlash	IIC	3
OS	Android2.3/4.2, Win CE7.0/6.0, Linux3.2+QT4.8	SPI	2
Voltage input	DC5V	SD/MMC/SDIO	3
Working Temp	-40℃~ +85℃	USB	1x USB2.0 Device, 1x USB2.0 OTG
Package	edge soldering	PWM	3
Dimensions	52x 42mm	JTAG	1
PMIC	TPS65217C	EINT/GPIO	supported
GPU	PowerVR SGX530	ADC	7
Display	1x RGB888	IIS	1

OK335xS Carrier Board Features

Display	1x RGB888	USB Host	4x USB2.0
Audio	1x Phone, 1x MIC, 1x Line in	USB OTG	1x USB2.0
Ethernet	2x 10/ 100/1000Mbps	ADC	8(4 for resistive touching, 4 for users)
UART	1, LVCOMS	PWM	2, 1 for backlight, 1 for buzzer
RS232	3(2x 3-wire, 1x debug)	RTC	supported
RS485	1, multiplexed with COM1	JTAG	1
CAN	1	EINT/GPIO	supported
IIC	2, suspended	Functional key	6
SPI	1	DIP	booting mode selection
SD/MMC/SDIO	1x SD	LED	1
Power input	DC5V		