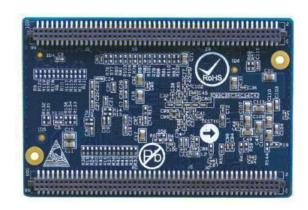# TEXAS INSTRUMENTS

FET335xD SoM

OVERVIEW

FET335xD system on module is based on AM3354 processor up to 800MHz, operating temperature ranges from -40℃ to +85℃. Industrial interface options such as CAN, PROFIBUS, RS485 and dual gigabit Ethernets. 324 CPU pins in total, each pin and peripheral interface pins up to 8 functional configuration. 8-layer of CPU module PCB guarantees perfect electrical and interference. SMT to be used to make sure accurate connection. OK335xD base board pins out mostly industrial used interfaces with open source code. Approved by EMC/EMI testing to make it more competitive.

SoM FET33xD 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	2x USB2.0 OTG
Package	2x 100-pin header, 1.27mm	PWM	3
Dimensions	47x 71mm	JTAG	1
PMIC	TPS65217C	EINT/GPIO	supported
GPU	PowerVR SGX530	ADC	8
Display	1x RGB888	Watchdog	SP706SEN
IIS	1	GPMC	16-bit data bus, 12-bit address bus

OK335xD 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	1x 10/ 100/1000Mbps	ADC	8(4 for resistive touching, 4 for users)
UART	1, LVCOMS	PWM	1, for backlight
RS232	2(1x 3-wire, 1x debug)	RTC	supported
RS485	1, isolated	JTAG	1
CAN	1, isolated	EINT/GPIO	supported
IIC	2	Functional key	7
SPI	1	DIP	booting mode selection
FPMC	16-bit data bus, 12-bit address bus	LED	4
SD/MMC/SDIO	2(1x SD, 1x SDIO)	Power input	DC5V