

Embedded motherboard - Freescale ARM Cortex-A9 i.MX6



Features

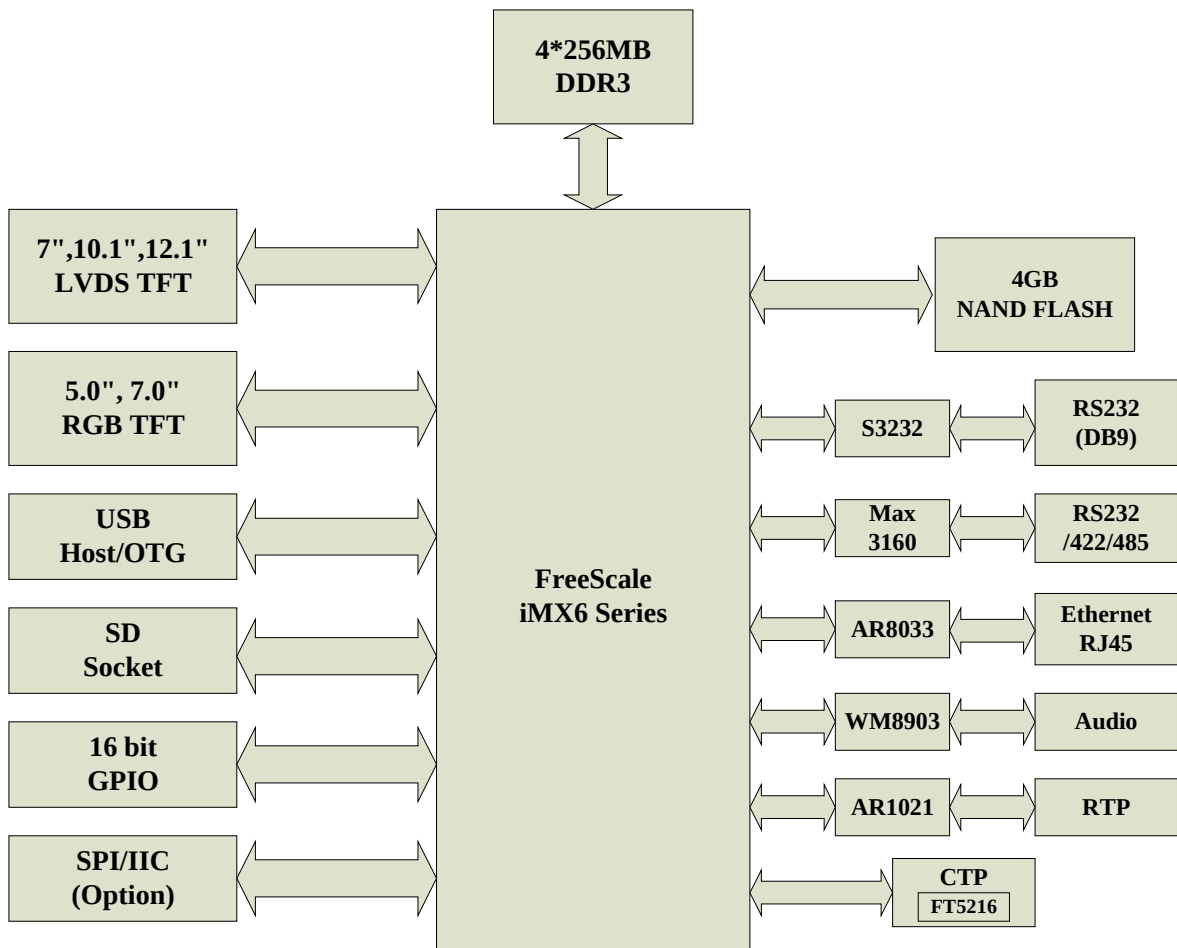
- Freescale Cortex-A9 Dual core 1.0GHz
- On-board DDR3 Up to 2GB & 8GB eMMC NAND Flash
- Support LVDS high solution display & RGB interface
- Low power consumption
- Support Android 4.2 /Linux
- Support 5 type TFT Module from 5"~12.1" (Support RGB & LVDS)

Specifications

Form Factor

	Cpu	Freescale Cortex-A9 Dual core 1.0GHz (Quad core is optional)
Processor System	Technology	DDR3 1GB x64 bit at 400MHz
	Capacity	Onboard DDR3 1GB(2GB Max)
	Flash	4GB(8GB Max) eMMC NAND Flash for Adventech boot loader
Graphic	LVDS	Dual channel 24 bit LVDS(1024*600/1024*768)
	RGB	18-bits/24-bits TTL with DE+H/V sync(800*480)
	Graphic engine	3D GPU with 1 shadow
	H/W Vodeo codec	Support MPEG 1/2/4, H.262 Hardware Decoder.
	MIPI	Reserved
Ethernet	speed	Ethernet 10/100/1000
	USB	2 x USB 2.0 Host ;1 x USB 2.0 OTG
		2 x pin header
I/O	Audio	Wolfson (Line out)
	Serial port	RS232 (1*DB9 ,) ; RS485/422/232 (1 * pin header)
	SPI	2 (Host, option)
	IIC	2 (Client, option)
	Touch	4-wire Resistive type(onboard)/ CTP is driven IIC interface
	GPIO	16-pin 3.3V TTL Level GPIOs
Expansion	SD Socket	1 * SD Slot
Power	Voltage	DC12V
	Consumption	2.5W
Environment	Temprature	-10℃~60℃ / -20℃~70℃
Dimension		114mm * 95mm*20mm

Block Diagram



Dimension :

