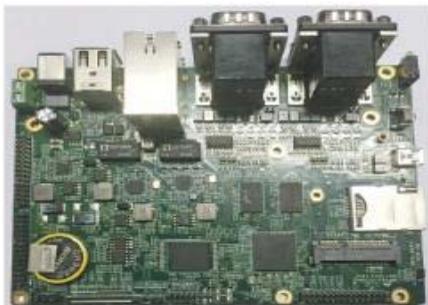


GEA-6401 ARM Embedded Platform Board



Processor	CPU	ARM Cortex-A5 SAMA5D3
RAM	Technique architecture	512M,DDR2
Network	Controller	CPU internal integration 2 Network
Hardware monitor	Watchdog timer	0-255S,offer watchdog routine
Storage	SSD	EMMC 4/8/16G,NAND FLASH and EMMC is optional
	SD	1 Channel Micro SD base
Serial port	COM0	DEBUG port
	COM1-COM4	3 line RS232,TX/RX support TVS protection,optional 485 dumper,3 line RS232,internal lead CPU,TX/RX support TVS protection.
	COM5	RS232
USB	2.0 HOST	2 channel 1 Channel MINI PCIE port,integrated USB signal,support 2G/3G/4G Communication card
	OTG	1 Channel
Display	TTL LCD	integrated CPU,suitable for small size LCD
	Touch screen	4 line resistance Touch screen,use 12C bus,TSC2007IPW Touch Control program
Expansion interface	GPIO	Lead out as much as possible
	AD	8 channel,self-contained CPU
	CAN	2*CAN bus
	SPI	2 channel SPI port
	PWM	2 channel PWM output
	12C	1 Channel 12C port
Audio	Port	MIC/earphone
	Power Amplifier	2W @8ohm Power Amplifier output
Function Button	KEYPAD	Up,Down,Left,Right direction button,Enter and return back functionbutton
RTC timer		CR2302 rechargeable battery for power supply,a)System RTC is able to set,accuracy require:error value <+/-3/month
Power Supply	Power Type	DC 12V input,support power reverse and overvoltage protection
		Power port 5.08mm
Operating Enviorment	Operating Temperature	-20°C-70°C
	Storage Temperature	-40°C-80°C
	Operating Humidity	0%-90% relative humidity, no condensation
	Storage Humidity	0%-90% relative humidity, no condensation
Apperance dimension	Dimension	SMT double-faced process,6 layer PCB,the most compact size with a 3.5 inch layout
Extensible Function		CAN,USB,RS232/RS485,GPIO,AI,DI