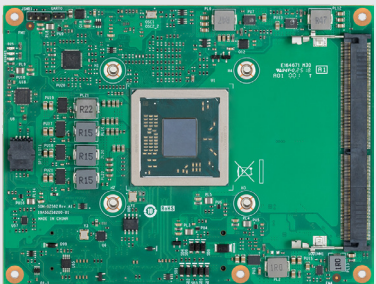


COMe Basic Type6核心模块, 兆芯KX-6000G处理器

特点

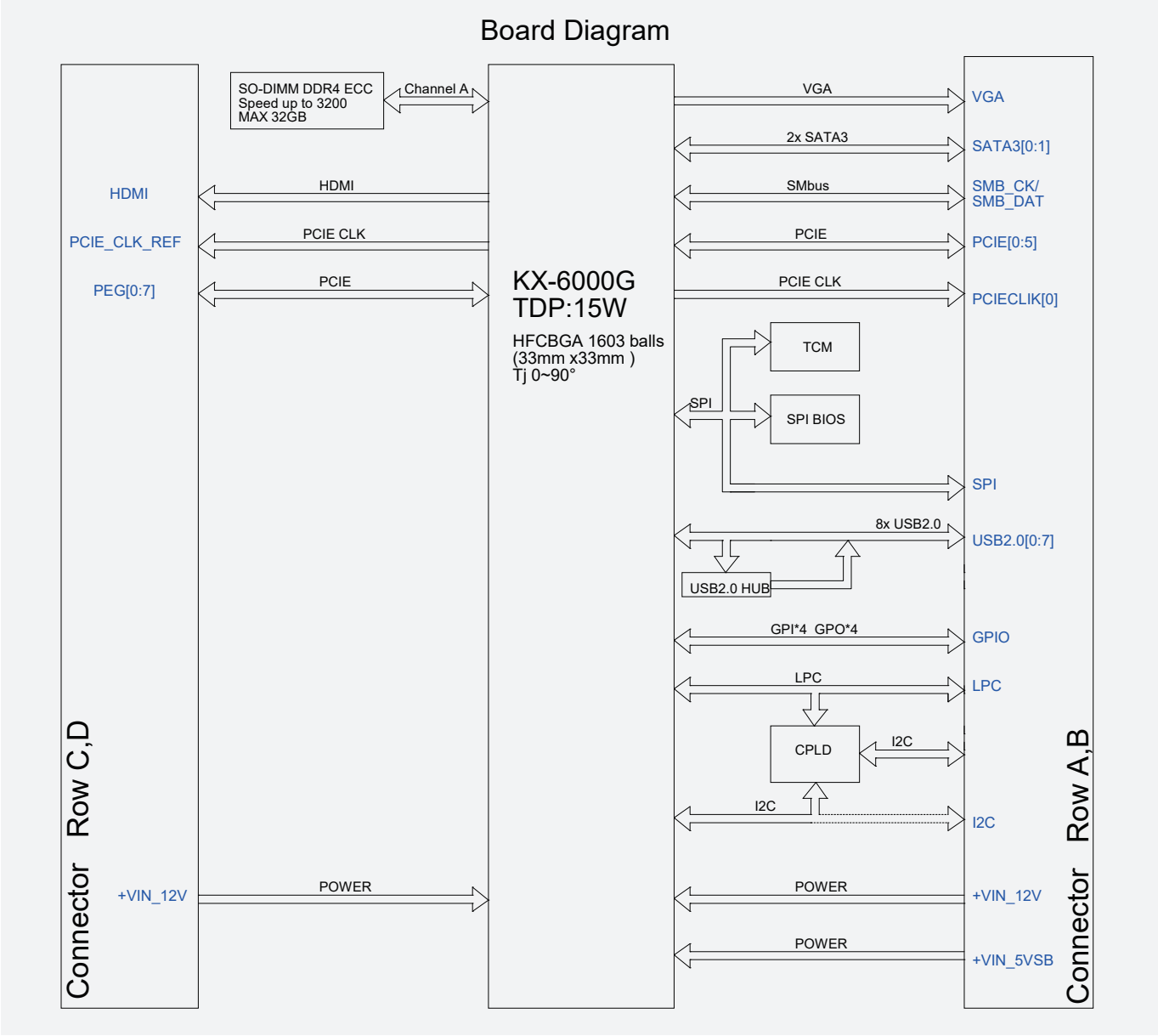
- 兆芯KX-6000G, 4核低功耗处理器
- 支持1*SO-DIMM DDR4内存, Up to 32GB
- HDMI, VGA双高清显示
- 2个SATA3.0, 8个USB2.0
- PCLE可以配置×8, ×4, ×2, ×1
- 支持麒麟/统信等国产操作系统
- 国产化率100%
- COMe R3.0 Type 6 Basic模块(125 x 95mm)



规格

产品类型	Form Factor	COM Express Basic Module								
	Pin-Out Type	COM Express R3.0 Type 6 pin out								
处理器	CPU	KX-6000G								
	Core Number	4								
	TDP	15W								
	BIOS	百敖								
内存	Technology	DDR4								
	Frequency	3200MHz								
	ECC Support	Yes								
	Max. Capacity	Up to 32GB								
	Socket	1 260P SO-DIMM								
显示	VGA	1 1920 x 1080@60Hz								
	HDMI	1								
扩展	PCI Expression	支持CFG_A [0:8]配置, X8 or X4 or X2 or X1								
		Lane	PHY_Ax14							
			PHYA_[0:1]		PHYA_[2:9]		PHYA_[10:13]			
		CFG_A0	X2 PE6		X8 PE4		X4 PE0			
		CFG_A1	X1 PE6	X1 PE7	X8 PE4		X4 PE0			
		CFG_A2	X1 PE6	X1 PE7	X4 PE4	X4 PE5	X4 PE0			
		CFG_A3	X1 PE6	X1 PE7	X8 PE4		X2 PE0		X1 PE2	X1 PE3
		CFG_A4	X1 PE6	X1 PE7	X8 PE4		X1 PE0	X1 PE1	X1 PE2	X1 PE3
		CFG_A5	X1 PE6	X1 PE7	X4 PE4	X4 PE5	X1 PE0	X1 PE1	X1 PE2	X1 PE3
		CFG_A6	X1 PE6	X1 PE7	X8 PE4		X4 PE0			
		CFG_A7	X2 PE6		X8 PE4		X4 PE0			
		CFG_A8	X1 PE6	X1 PE7	X4 PE4	X4 PE5	X2 PE0		X1 PE2	X1 PE3
Serial Bus	SMBus	1								
	I2C Bus	1								
Ethernet	Gigabit	No								
I/O	SATA3.0	2 Ports								
	USB2.0	8 Ports								
	USB3.0	4 Ports								
	SPI Bus	Yes								
	GPIO	4 x DI, 4 x DO								
	LPC	1								
	Watchdog	65536 level, 0 ~ 65535 sec								
Power	Type	ATX: Vin, VSB; AT: Vin								
	Supply Voltage	Vin: 12V; VSB: 5V +/-5%,								
Environment	Temperature	Operating Standard: 0 ~ 60 °C (32 ~ 140 °F) Storage: -40 ~ 85° C (-40 ~ 185° F)								
	Humidity	Operating: 40 °C @ 95% relative humidity, non-condensing Storage: 60 °C @ 95% relative humidity, non-condensing								
	Vibration Resistance	3.5Grms								
Mechanical	Dimensions	125 x95mm								

系统框图



订货信息

料号	CPU	基础频率	核心数	最高DDR4内存频率	CPU功耗	工作温度
CMZ71-E460-2	KX-6000G	2.0HGZ	4	3200MHz	15W	0-60°C

开发板

料号	描述
DMS-DB5800-00A1	COMe R3.0 Devel. Board Type6 Rev. A1
SOM-DB5830-00A1	COMe R3.0 Devel. Board Type6 Rev. A1