

Ax2mc1100

Serial Rapid IO PMC/XMC Card

Features

Ax2mc is Serial Rapid IO (sRIO) Card using Freescale PowerQUICC III MPC8548E as main CPU.

Supports 4 lanes 2.5Gbps sRIO data link, and you can use both as Host or IO PMC(PCI),XMC(PCI Express) Card.

Ax2mc enables to build sRIO networks between systems or between boards.

And it supports 1 ch Gbit Ethernet and can use also as sRIO-GbE gateway card..



Specifications

CPU	MPC8548E (Freescale) PowerQUICC III	
Memory	FLASH	512Kbyte for Boot memory
	SDRAM	512Mbyte DDR2-400
	I2C EEPROM	1Kbit
	SSD	1Gbyte
Comm	Serial Rapid IO	2.5Gbps 4-Lane Host/Agent Mode InfiniBand 4X latch type connector
	Gigabit Ethernet	CPU built-in eTSEC 1ch RJ45 connector
	RS232C	CPU built-in UART 1ch Non insulated transceiver
Interface	XMC	PCI Express 4-Lane ROOT Complex support
	PMC	PCI 64bit/66MHz MONARCH support
Debug port	JTAG	
Power	3.3V	
	5V(PMC) or VPWR(XMC)	
Size	149 x 74mm	
BSP	Boot loader: U-boot OS: Linux Kernel 2.6	

Block Diagram

