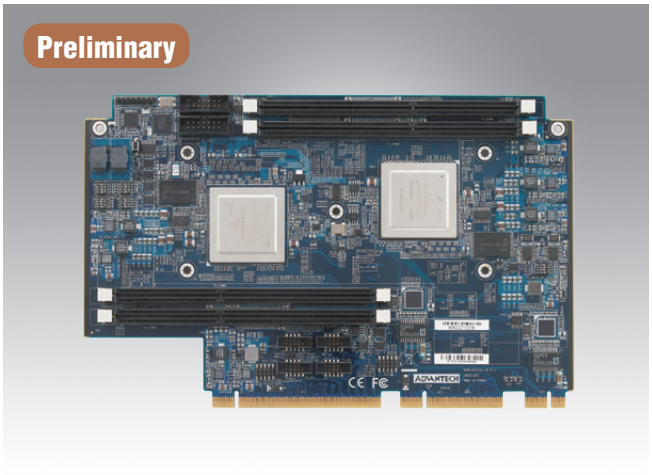
NCPB-2210

Dual Freescale QorIQ P4080 Packetarium™ Card



Features

- Dual Freescale QorIQ P4080 1.5 GHz Design
- Each processor supports 2x DDR3-1300 MHz DIMMs
- Compatible w/ NCP-7560, NCP-5360, NCP-3120 and all features Packetarium™ system
- Two PCIe x4 slots as control plane
- Four XAUI interfaces as data plane
- Two 1000Base-T connectors as management plane
- IPMI1.5 MMC as HW management

Introduction

NCPB-2210 Packetarium™ adopts two Freescale QorIQ P4080 1.5GHz NPUs. Each P4080 includes eight Power Architecture e500mc cores. NCPB-2210 can provide SERDES-based I/O's including two Gen2 four-lanes PCI Express, four XAUI (or sixteen SGMII), along with Freescale Power Architecture based applications.

NCPB-2210 is designed with Atmega128L Micro-Controller, which has an in-built I²C controller, and provides hardware monitor and power manager functions.

Specifications

Processor System	Processor 1 & 2		Freescale QorIQ P4080
	Max. Speed		1.5 GHz
	Processor Cores		8 Cores
System Memory	Memory Socket		Each processor supports 2x DDR3-1300 MHz DIMMs
	Memory Type and Capacity		Up to 16GB-1300 MHz for each P4080
Boot Flash	Flash Type	NAND Flash	Redundant NAND flash up to 8GB
		SPI Flash	Redundant SPI boot flash up to 16MB
Management Interface	Management Port		UART port x 2 & USB port x1
Interface	Logical Connection		Two PCIe x4 ports Four XAUI interfaces Two 1000Base-T connectors
Cooling	CPU Heatsink		Passive Aluminum Cooler
SW Support	Bootloader		Freescale SDK 1.0, U Boot
	Operating System		Freescale DPAA SDK 1.0 WR Linux 4.0 (Optional)
	Driver		Freescale QorIQ P4080 driver
Physical Characteristics	Dimensions (W x H)		245.6 x 148.6 mm (9.67" x 5.85")
	Weight		0.5 kg

Ordering Information

Contact our sales for more pricing & ordering information.