NCPB-2320

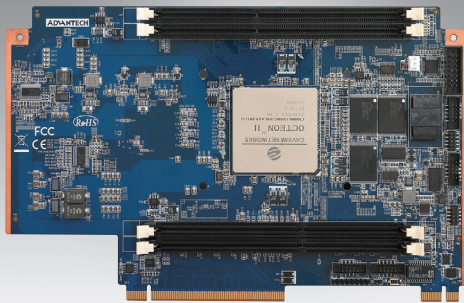## Cavium OCTEON II 32-Core CN6880 Packetarium™ Card

NEW

Features

- Cavium OCTEON II 32-core CN6880 1.2GHz Design
- Supports 4x DDR3-1333MHz, 72-bits registered DIMMs with ECC
- Compatible w/ NCP-7560 and all features Packetarium™ system
- Two PCIe x4 slots as control plane
- Two XAUI/DXAUI interfaces as data plane
- 100Mbps connector as management plane
- IPMI1.5 MMC as HW management

Introduction

NCPB-2320 is based on the Cavium OCTEON II CN6880 (32 Cores). It supports up to 32 GB of memory on four DIMM sockets. Two PCIe x4 slots provide control plane connectivity with the carrier while two XAUI interfaces connect to the data plane. The board is remotely managed via a local Module Management Controller (MMC) connected to the carrier's IPMB-L (I²C) bus. A console port and a 100 Mbps connector provide further management interface options. Operating system support is available for the Cavium SDK, Linux and Wind River PNE LE.

Specifications

Processor System	Processor		Cavium OCTEON II CN6880
	Max. Speed		1.2 GHz
	Processor Cores		32 Cores
System Memory	Memory Socket		Four 240 pin DIMM slots
	Memory Type and Capacity		ECC registered DDR3 1333 MHz DIMMs, up to 32GB
Boot Flash	Flash Type	NOR Flash	Redundant NOR flash up to 256MB
		Max Flash Size	256MB
Management Interface	Management Port		UART port x 2 & USB port x1
Interface	Physical Connection		PCIe x 1 + PCIe x16 Gold Fingers
	Logical Connection		Two PCIe x4 slots Two XAUI interfaces 100 Mbps connector
Cooling	CPU Heatsink		Passive Aluminum Cooler
SW Support	Bootloader		Cavium SDK 2.1 U-Boot 2001.03
	Operating System		Linux Kernel 2.6.34.9 WR PNELE4.2
Physical Characteristics	Dimensions (W x H)		245.6 x 156.6 mm (9.67" x 6.17")
	Weight		0.88 kg

Ordering Information

Contact our sales for more pricing & ordering information.