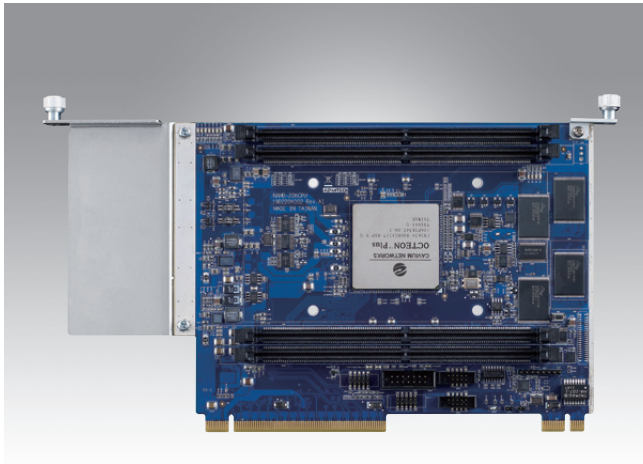


NCPB-2310

Cavium Octeon Plus 12-Core
CN5650 Packetarium™ Card



Features

- Cavium Octeon Plus 12-core CN5650 800MHz Design
- Supports 4x DDR2 DIMMs
- Compatible w/ NCP-7560, NCP-3120 and all features Packetarium™ system
- One PCIe x4 slot as control plane
- Two XAUI interfaces as data plane
- 100Mbps connector as management plane
- IPMI1.5 MMC as HW management

Introduction

NCPB-2310 is based on the Cavium Octeon CN5650 (12 Cores). It supports up to 16 GB of memory on four DIMM sockets. Two Two PCIe x4 slots provide control plane connectivity with the carrier while two XAUI ports 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 port provide further management interface options. Operating system support is available for the Cavium SDK, Linux Debian and Wind River PNE LE

Specifications

Processor System	Processor	Cavium Octeon CN5650
	Max. Speed	800 MHz
	Processor Cores	12 Cores
System Memory	Memory Socket	Four 240 pin DIMM slots
	Memory Type and Capacity	ECC registered DDR2 800 MHz DIMMs, up to 8 GB per processor
Boot Flash	Flash Type	Flash Type
	Max Flash Size	Redundant NOR Flash up to 256MB 256 MB
Interface	Physical Connection	PCIe x 1 + PCIe x16 Gold Fingers
	Logical Connection	Two PCIe x4 slots Two XAUI interfaces One 100Base-T connector
Cooling	CPU Heatsink	Passive Aluminum Cooler
SW Support	Bootloader	Cavium SDK 1.7.2 U Boot
	Operating System	Debian Linux Kernel 2.6.21 MIPS WR PNELE2.0 (option)
Physical Characteristics	Dimensions (W x H)	245.6 x 148.6 mm (9.67" x 5.85")
	Weight	0.53 kg

Ordering Information

Contact our sales for more pricing & ordering information.