CN9130 COM

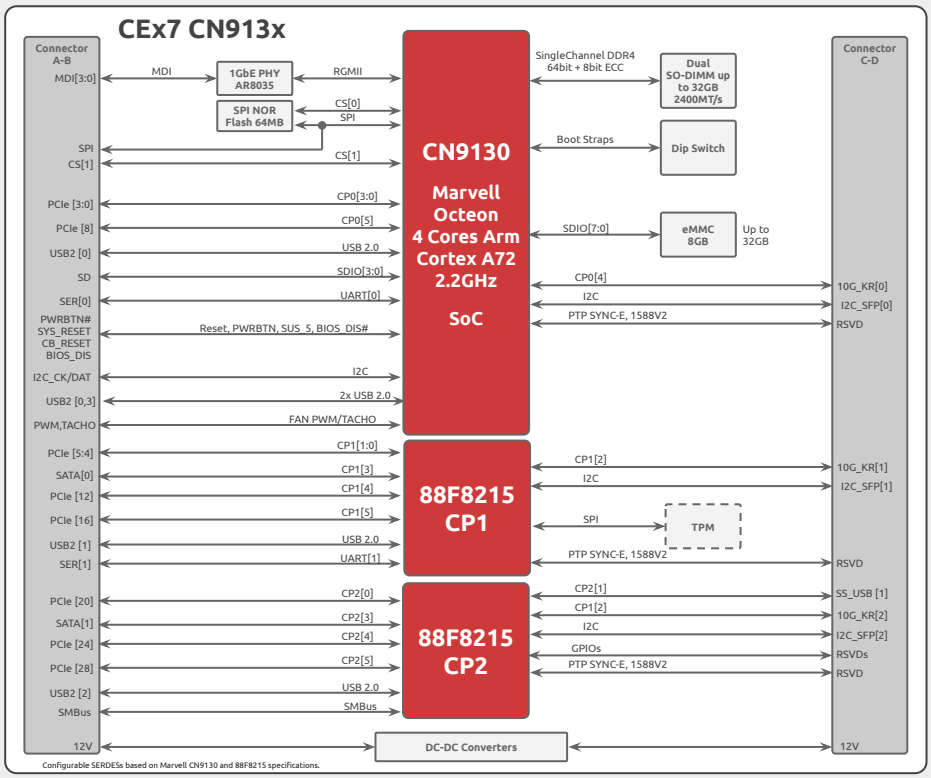
COM Express Type 7, 4 x Arm Cortex-A72, up to 2.2GHz

Marvell OCTEON CN913x
COM Express Type 7

- Up to 25Gbps packet processing and 15Gbps security performance
- Can scale from 6 SerDes to 18 SerDes I/Os
- Enables fanless designs at <10W power consumption

debian ubuntu OpenWrt

		CN9132	CN9131	CN9130
CPU Details	CPU Name	Marvell OCTEON CN9132 2 x 88F8215 co processors	Marvell OCTEON CN9131 1 x 88F8215 co processor	Marvell OCTEON CN9130
	CPU Type	4 x Cortex A72	4 x Cortex A72	4 x Cortex A72
	CPU Speed	2.2GHz Commercial 2.0GHz Industrial	2.2GHz Commercial 2.0GHz Industrial	2.2GHz Commercial 2.0GHz Industrial
RAM	Memory & Storage	Dual channel Up to 32GB (16GB for each channel) DDR4	Dual channel Up to 32GB (16GB for each channel) DDR4	Dual channel Up to 32GB (16GB for each channel) DDR4
	Internal Storage	8GB eMMC 64MB SPI	8GB eMMC 64MB SPI	8GB eMMC 64MB SPI
	External Storage Support	NOR-Flash SD PCIe-SSD	NOR-Flash SD PCIe-SSD	NOR-Flash SD PCIe-SSD
Networking	Ethernet	3 x 10/5 GbE port+ 1 x 1 GbE ports Sync-E, 1588-V2	2 x 10/5 GbE port+ 1 x 1 GbE ports Sync-E, 1588-V2	1 x 10/5 GbE port+ 1 x 1 GbE ports Sync-E, 1588-V2
Connectivity	USB 2.0	2	2	-
	USB 3.0	1	-	-
	PCIe	1 (Gen 3.0) x 4 1 (Gen 3.0) x 2 Up to 6 x (Gen 3.0) x 1	1 (Gen 3.0) x 4 1 (Gen 3.0) x 2 Up to 3 x (Gen 3.0) x 1	1 (Gen 3.0) x 4 1 (Gen 3.0) x 2 1 x USB 3.0
	I2C	5	4	3
	SPI	✓	✓	✓
	UART	2	2	2
	GPIO	✓	✓	✓
	PWM	✓	✓	✓
	SATA	1 (Gen 3.0)	1 (Gen 3.0)	-
	JTAG	✓	✓	✓
OS Support	Embedded Linux	Linux DPDK	Linux DPDK	Linux DPDK
Physical	Size	125 x 95 mm COM Express Type 7	125 x 95 mm COM Express Type 7	125 x 95 mm COM Express Type 7
	Interface	COM Express Type 7 Headers	COM Express Type 7 Headers	COM Express Type 7 Headers
Power	Main Voltage	12V	12V	12V
	I/O Voltage	3.3/1.8V	3.3V	3.3V
Environment	Temperature	Commercial: 0°C to 70°C Industrial: -40°C to 85°C	Commercial: 0°C to 70°C Industrial: -40°C to 85°C	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
	Humidity	Humidity (non-condensing): 10% – 90%	Humidity (non-condensing): 10% – 90%	Humidity (non-condensing): 10% – 90%



Ordering Information

Available on Shop

	Description
Buy Now	OCTEON CN9132 COM Express Type 7 | No RAM | 8GB EMMC |Com.Temp | R1.1

- **To choose your ideal configuration see our Product Configurator Tool**

Accessories:

SKU	Description
SO-DIMM016	16GB SO-DDR4 Memory

Kits

	Description
Buy Now	CN9132 Evaluation board | No RAM | 8GB EMMC |Com.Temp

For more information about the CN9130 COM Software/Hardware visit our:

Developer Center