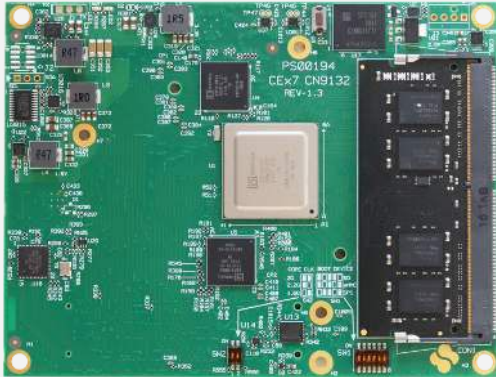


CN9132 COM

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

Marvell OCTEON CN9132

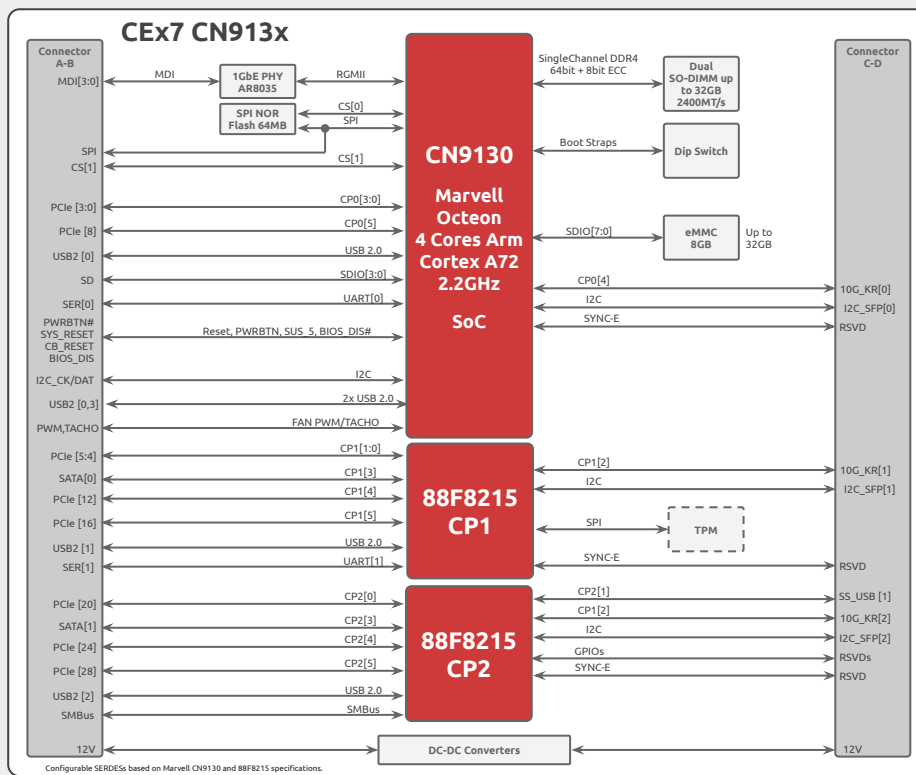
COM Express Type 7



- 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



		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	2 x 10/5 GbE port+ 1 x 1 GbE ports	1 x 10/5 GbE port+ 1 x 1 GbE ports
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

Kits	
	Description
<u>Buy Now</u>	CN9132 Evaluation Board No RAM 8GB EMMC Com.Temp

For more information about the CN9132 COM
Software/Hardware visit our:

Developer Center