CN9130 SOM

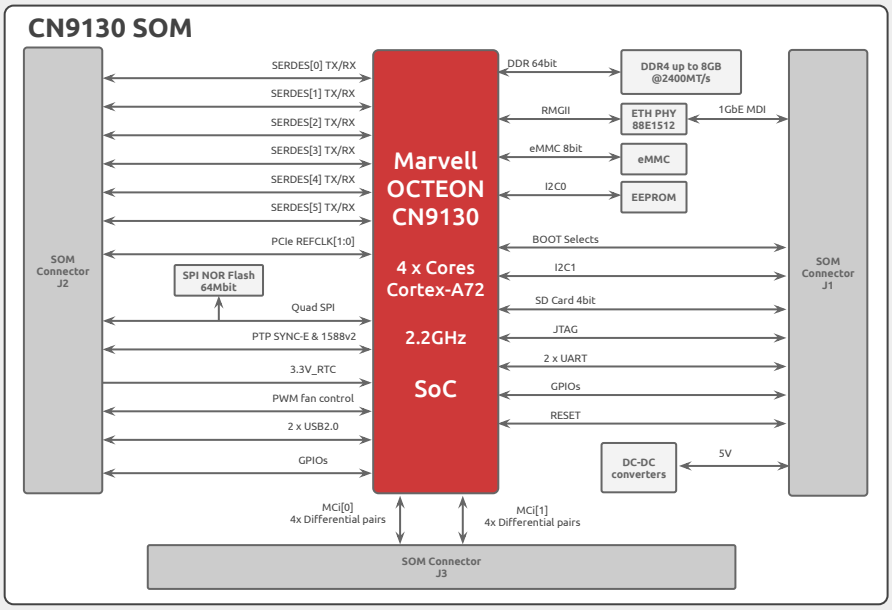
4 x Arm Cortex-A72 Up to 2.2GHz

Marvell CN9130 Processor System on Module

- Advanced security, edge computing and intelligent networking capabilities
- Onboard eMMC and up to 4GB DDR4
- Flexible designs scaling from 6 SERDES to 18 SERDES I/Os

		CN9130
CPU Details	CPU Name	Marvell OCTEON CN9130 *
	CPU Type	4 x Arm Cortex-A72
	CPU Speed	Up to 2.2GHz
RAM	Memory & Storage	Up to 8GB DDR4
	Internal Storage	8GB eMMC 64Mb SPI
	External Storage Support	NOR-Flash SD PCIe-SSD
Networking	Ethernet	1 x 10/5 GbE port+ 2 x 1/2.5 GbE ports or* 2 x 5 GbE Port+ 1 x 1/2.5 GbE Port Sync-E, 1588-V2
Connectivity	USB 2.0	2
	USB 3.0	Up to 2 (Host/Device)**
	PCIe	1 (Gen 3.0) x4 + 2 (Gen 3.0) x1** Total of 3 controllers and up to 6 lanes
	I2C	2
	SPI	1
	UART	2
	GPIO	✓
	PWM	✓
	SATA	2 (Gen 3.0)*
	SD/MMC	1
	JTAG	✓
OS Support	Embedded Linux	Linux OpenWRT LEDE
Physical	Size	50 x 35 mm
	Interface	3 x Hirose DF40 connectors
Power	Main Voltage	5V-12V
	I/O Voltage	3.3V/1.8V
Environment	Temperature	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
	Humidity	Humidity (non-condensing): 10% – 90%

(*) 2 x MCi interfaces exposed enabling extensions on the carrier board.
(**) Configurable SERDESs based on Marvell CN913x processor specifications.



Ordering Information

Available on Shop

	Description
Buy Now	SOM CN9130 Quad | 4GB RAM | 8GB eMMC | Com.Temp

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

Kits

SKU	Description
Buy Now	ClearFog Base CN9130 | 4GB | Inc. Enclosure
	ClearFog Pro CN9130 | 4GB | Inc. Enclosure

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

Developer Center