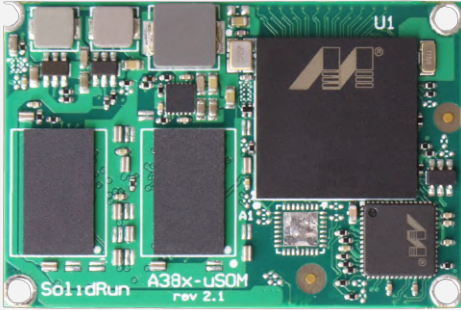


# A388 SOM

Dual Core ArmV7, up to 1.6GHz

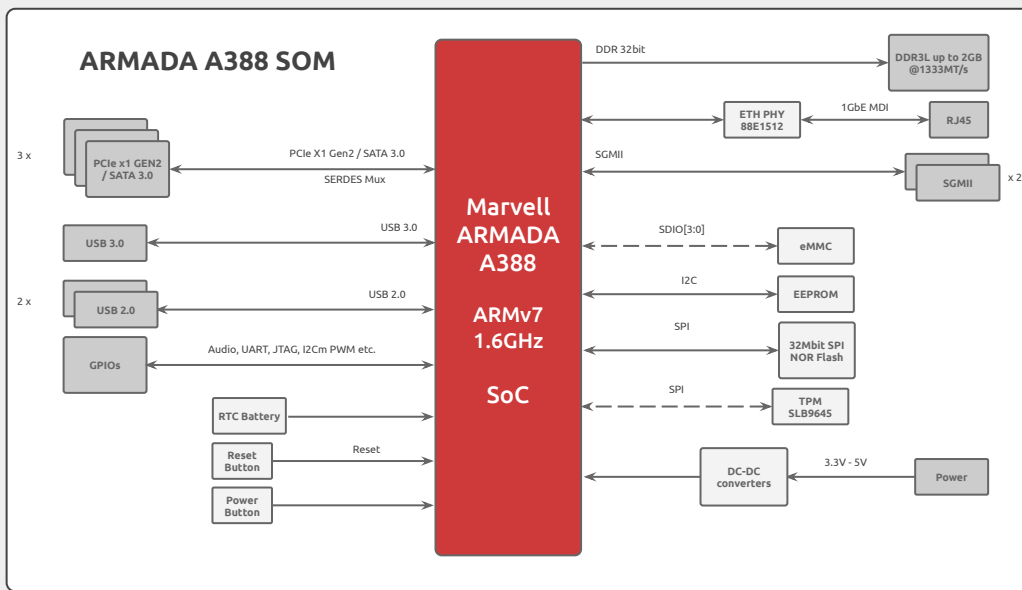
## Marvell ARMADA A388 Processor System on Module



- Onboard eMMC and up to 2GB DDR3L
- Advanced networking, storage and communications capabilities
- High-bandwidth, low-latency Coherency Fabric



		ARMADA A388
CPU Details	CPU Name	Marvell ARMADA A388
	CPU Type	2 x Cortex A9
	CPU Speed	1.6GHz Commercial 1.3GHz Industrial
	Floating Point	✓
	SIMD	NEON
RAM	Memory & Storage	Up to 2GB DDR3L
	Internal Storage	8GB eMMC 32Mbit SPI
	External Storage Support	NOR-Flash SD PCIe-SSD
Networking	Ethernet	3 x 10/100/1000 Mbps
Multimedia	S/PDIF Input/Output	1
	Digital Audio Serial Interface	I2S, TDM
Connectivity	USB 2.0	2
	USB 3.0	1
	PCIe	4 (Gen 2.0)
	I2C	1
	SPI	1
	UART	2
	GPIO	✓
	PWM	✓
	SATA	4 (Gen 3.0)
	SD/MMC	1
JTAG	✓	
OS Support	Embedded Linux	Linux OpenWRT LEDE
Physical	Size	50 x 35 mm
	Interface	2 x Hirose DF40 connectors
Power	Main Voltage	3.3V-5V
	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%



## Ordering Information

### Available on Shop

SKU	Description
<a href="#">SRM6828S32D01GE000V21C0</a>	SOM A388 Dual   No WiFi/BT   1GB RAM   No eMMC   Com.Temp   R2.1   Unfused
<a href="#">SRM6828S32D01GE008V21C0</a>	SOM A388 Dual   No WiFi/BT   1GB RAM   8GB eMMC   Com.Temp   R2.1   Unfused
<a href="#">SRM6828S32D02GE000V21C0</a>	SOM A388 Dual   No WiFi/BT   2GB RAM   No eMMC   Com.Temp   R2.1   Unfused
<a href="#">SRM6828S32D02GE008V21C0</a>	SOM A388 Dual   No WiFi/BT   2GB RAM   8GB eMMC   Com.Temp   R2.1   Unfused

- To choose your ideal configuration see our [Product Configurator Tool](#)

### Accessories:

SKU	Description
<a href="#">HS00007K</a>	ARMADA Heatsink

### Carrier Boards

SKU	Description
<a href="#">SRM6828S00D01GE000B02CH</a>	SOM A388 Dual   ClearFog Base   No WiFi/BT   1GB RAM   No eMMC   Com.Temp   R02   Inc. Heatsink
<a href="#">SRM6828S00D01GE008B02CH</a>	SOM A388 Dual   ClearFog Base   No WiFi/BT   1GB RAM   8GB eMMC   Com.Temp   R02   Inc. Heatsink
<a href="#">SRM6828S00D01GE000B02CE</a>	SOM A388 Dual   ClearFog Base   No WiFi/BT   1GB RAM   No eMMC   Com.Temp   R02   Inc. Enclosure
<a href="#">SRM6828S00D01GE008B02CE</a>	SOM A388 Dual   ClearFog Base   No WiFi/BT   1GB RAM   8GB eMMC   Com.Temp   R02   Inc. Enclosure
<a href="#">SRM6828S00D02GE008P01CH</a>	SOM A388 Dual   ClearFog Pro   No WiFi/BT   2GB RAM   8GB eMMC   Com.Temp   R01   Inc. Heatsink
<a href="#">SRM6828S00D01GE000P01CH</a>	SOM A388 Dual   ClearFog Pro   No WiFi/BT   1GB RAM   No eMMC   Com.Temp   R01   Inc. Heatsink
<a href="#">SRM6828S00D01GE008P01CH</a>	SOM A388 Dual   ClearFog Pro   No WiFi/BT   1GB RAM   8GB eMMC   Com.Temp   R01   Inc. Heatsink
<a href="#">SRM6828S00D01GE000P01CE</a>	SOM A388 Dual   ClearFog Pro   No WiFi/BT   1GB RAM   No eMMC   Com.Temp   R01   Inc. Enclosure
<a href="#">SRM6828S00D01GE008P01CE</a>	SOM A388 Dual   ClearFog Pro   No WiFi/BT   1GB RAM   8GB eMMC   Com.Temp   R01   Inc. Enclosure
<a href="#">SRM6828S00D02GE008P01CE</a>	SOM A388 Dual   ClearFog Pro   No WiFi/BT   2GB RAM   8GB eMMC   Com.Temp   R01   Inc. Enclosure

For more information about the A388 SOM  
Software/Hardware visit our:

[Developer Center](#)