![SolidRun - Make It Happen]

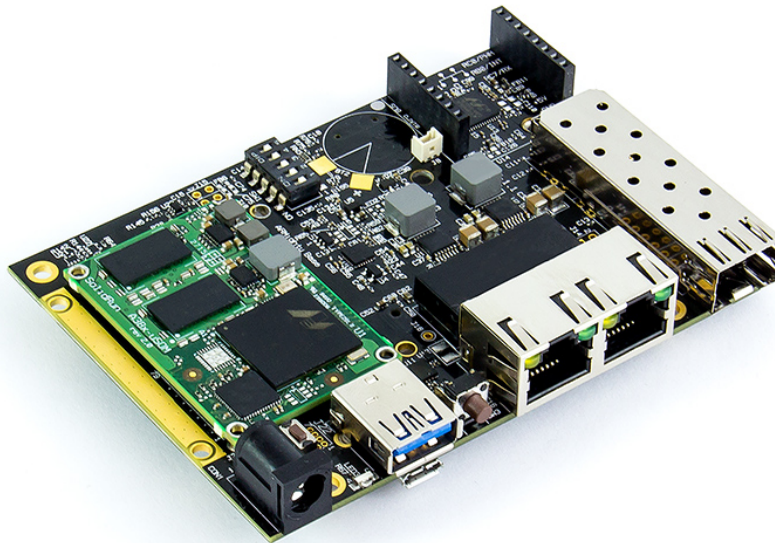# Marvell ARMADA
ClearFog Base
Carrier Board for ARMADA SoM (System-On-Module)
Rev 1.2

Simple. Robust. Computing Solutions

Overview

Introducing the ClearFog family, a flexible IoT gateway platform which harnesses the full potential and robust processing power of the ARMADA SoC – providing a modular powerful board with endless possibilities. With the ARMADA processor at its core, the ClearFog offers both optimal modulation and fast processing speeds, cutting development costs, TTM and simplifying production process.

ClearFog Base Highlighted Features

- Based on Marvell's ARMADA A388 SoC
- Up to 2GB memory size
- Optimized for networking, routing and storage applications
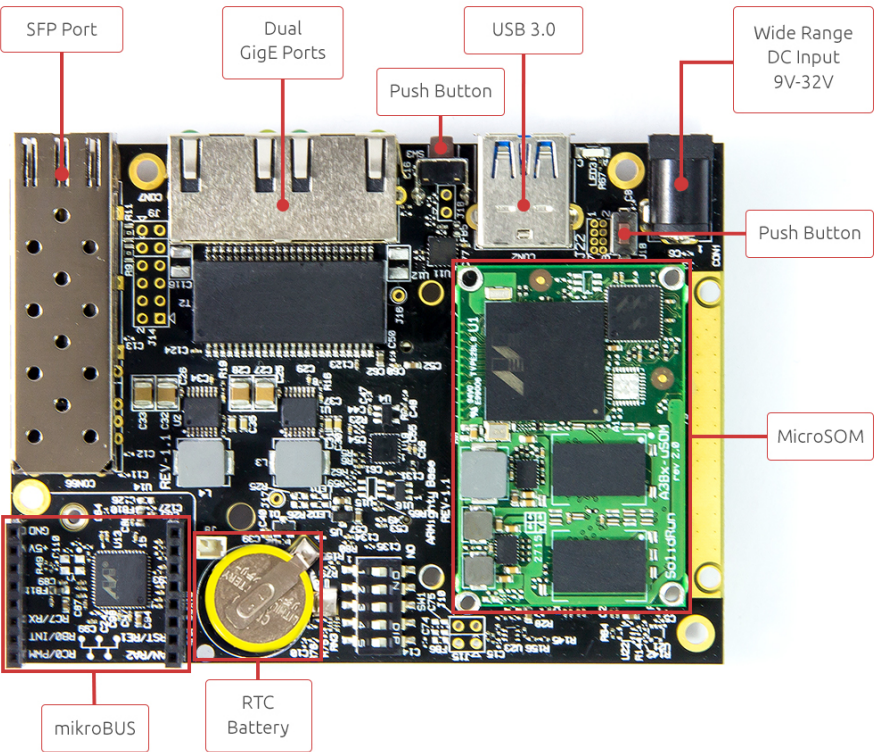- Feature rich
- Broad SW support

System Specifications

ClearFog Base	
SoM Model	ARMADA based A388
Memory and Storage	1GB (up to 2GB) M.2** uSD / 8GB eMMC* (Optional)
Connectivity	1× mPCIE 1×USB 3.0 port 2×Port dedicated Ethernet 1×SFP
I/O and Misc	mikroBUS Indication LEDs User Push Buttons PoE expansion header RTC Battery header FTDI (Console Only)/ Debug Header
Power	Wide range 9V- 32V
Software	Linux Kernel 3.x and 4.x, OpenWrt, Yocto
Dimensions (WxL)	103mm×75mm
Enclosure	Optional Metal Enclosure

(*) Assembly option on the SoM.
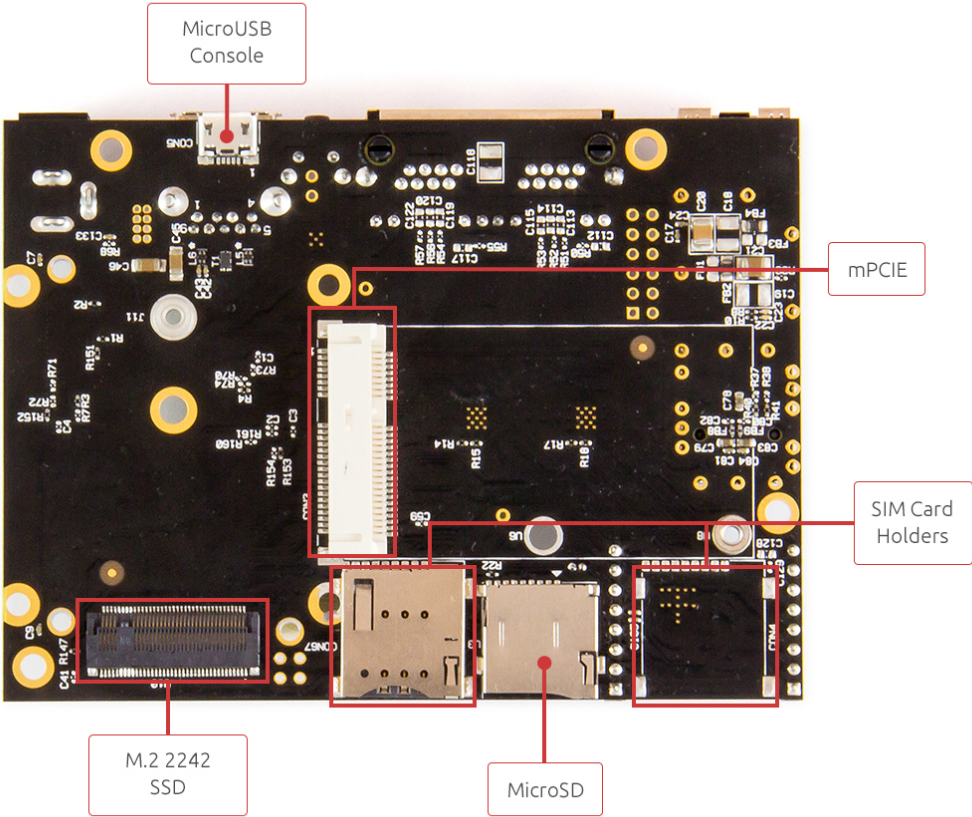(**)M.2 includes USB 3.0, SATA, GNSS, 3G modules support

Interfaces

Top View

Interfaces

Bottom View

MicroUSB
Console

mPCIE

SIM Card
Holders

M.2 2242
SSD

MicroSD

Available SKUs for ClearFog Base Carrier

SKU	Description
SRCFCBE000CV12	ClearFog Base|Com. Temp|R1.2
SRCFCBE000IV12	ClearFog Base|Ind. Temp|R1.2

SKUs for kits*

SKU	Description
SRM6828S00D01GE000B00CH	A388 Dual|ClearFog Base|No SSD|1GB DDR|No eMMC|Com. Temp|R00|Inc. Heatsink
SRM6828S00D01GE008B00CH	A388 Dual|ClearFog Base|No SSD|1GB DDR|8GB eMMC|Com. Temp|R00|Inc. Heatsink
SRM6828S00D01GE000B00IH	A388 Dual|ClearFog Base|No SSD|1GB DDR|No eMMC|Ind. Temp|R00|Inc. Heatsink
SRM6828S00D01GE008B00IH	A388 Dual|ClearFog Base|No SSD|1GB DDR|8GB eMMC|Ind. Temp|R00|Inc. Heatsink
SRM6828S00D01GE000B00CE	A388 Dual|ClearFog Base|No SSD|1GB DDR|No eMMC|Com. Temp|R00|Inc. Enclosure
SRM6828S00D01GE008B00CE	A388 Dual|ClearFog Base|No SSD|1GB DDR|8GB eMMC|Com. Temp|R00|Inc. Enclosure
SRM6828S00D01GE000B00IE	A388 Dual|ClearFog Base|No SSD|1GB DDR|No eMMC|Ind. Temp|R00|Inc. Enclosure
SRM6828S00D01GE008B00IE	A388 Dual|ClearFog Base|No SSD|1GB DDR|8GB eMMC|Ind. Temp|R00|Inc. Enclosure

(*) Kits consist of:
1. Carrier Board
2. System on Module
3. Heatsink or Enclosure

Different configurations are available per MOQ.

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Safety Notice

a. This device is to be used with Certified Power adaptor with output rated 12VDC, 1.5A. Power adapter must meet Limited power source (LPS) requirements.
b. Power adapter must meet local safety standards and requirements based on product intended use.
c. Power adapter must meet Operating environment conditions as specified above.

Disposal

Follow local regulations regarding disposal of the product. Dispose of your product in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited.

Help us protect the environment- recycle!

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Our Forums - http://forum.solid-run.com/

For direct support please contact us at: support@solid-run.com

Documentation

Additional documentation available at:

http://wiki.solid-run.com/doku.php?id=products:a38x:documents