Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
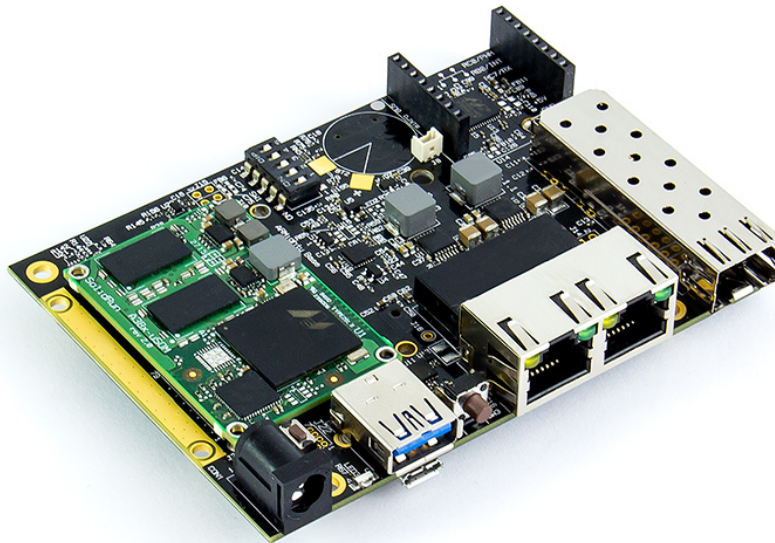Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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

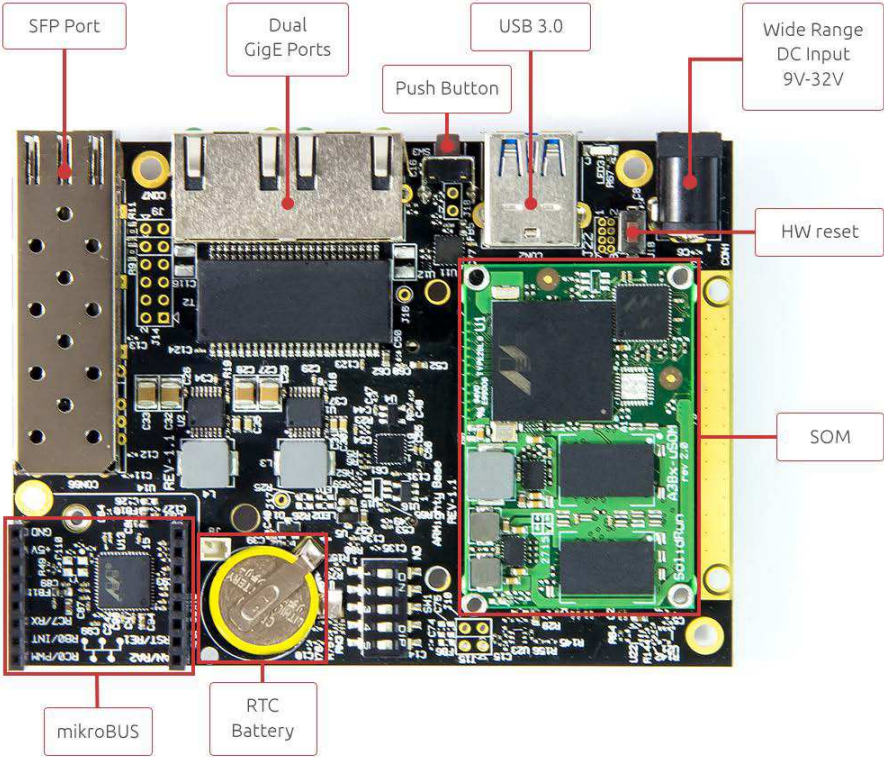- Feature rich

- 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.
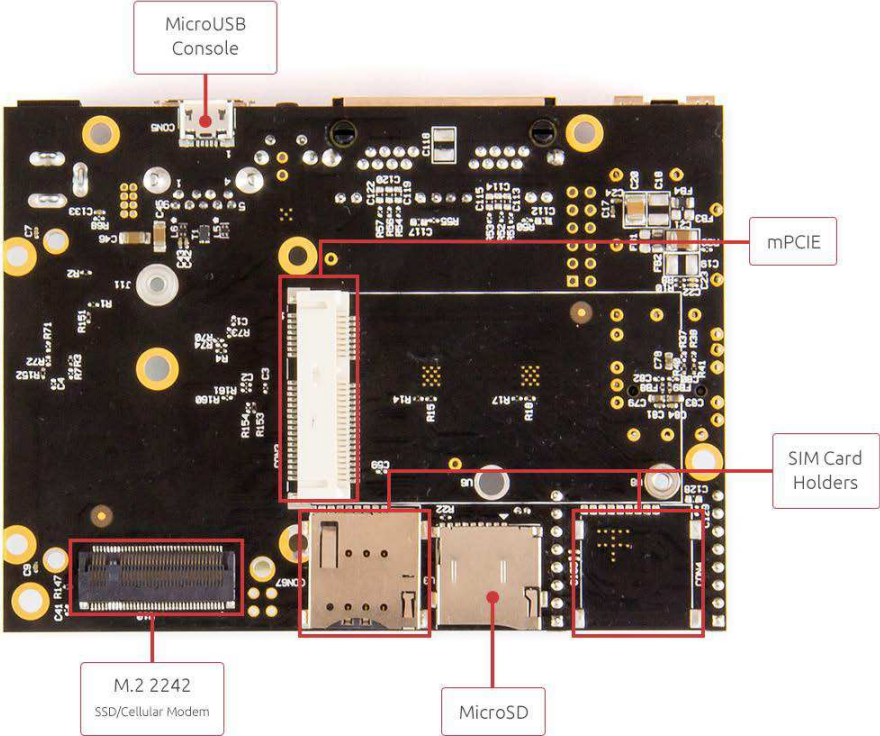(**)M.2 includes USB 3.0, SATA, GNSS, 3G modules support

Interfaces

Top View

SFP Port

Dual
GigE Ports

USB 3.0

Push Button

Wide Range
DC Input
9V-32V

HW reset

SOM

mikroBUS

RTC
Battery

Interfaces

Bottom View

MicroUSB
Console

mPCIE

SIM Card
Holders

M.2 2242
SSD/Cellular Modem

MicroSD

Available SKUs for ClearFog Base Carrier

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

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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Documentation

Additional documentation available at:

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