

Marvell ARMADA

ClearFog Base



Simple. Robust. Computing Solutions

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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	1x mPCIe 1xUSB 3.0 port 2xPort dedicated Ethernet 1xSFP
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)	103mmx75mm
Enclosure	Optional Metal Enclosure

(*) Assembly option on the SOM.

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

Available* SKUs for ClearFog Base

SKU	Description
SRM6828S00D01GE000B00CH	SOM A388 Dual ClearFog Base No SSD 1GB DDR No eMMC Com. Temp R00 Inc. Heatsink
SRM6828S00D02GE000B00CH	SOM A388 Dual ClearFog Base No SSD 2GB DDR No eMMC Com. Temp R00 Inc. Heatsink
SRM6828S00D01GE008B00CH	SOM A388 Dual ClearFog Base No SSD 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRM6828S00D02GE008B00CH	SOM A388 Dual ClearFog Base No SSD 2GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRM6828S00D01GE000B00CE	SOM A388 Dual ClearFog Base No SSD 1GB DDR No eMMC Com. Temp R00 Inc. Enclosure
SRM6828S00D02GE000B00CE	SOM A388 Dual ClearFog Base No SSD 2GB DDR No eMMC Com. Temp R00 Inc. Enclosure
SRM6828S00D01GE008B00CE	SOM A388 Dual ClearFog Base No SSD 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure
SRM6828S00D02GE008B00CE	SOM A388 Dual ClearFog Base No SSD 2GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure

(*) Different configurations available for MOQ

Safety Notice

- This device is to be used with CertifiedPower adaptor with output rated 12VDC, 1.5A. Power adapter must meet Limited power source (LPS) requirements.
- Power adapter must meet local safety standards and requirements based on product intended use.
- 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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Support

For technical support please visit:

Our Wiki – <http://wiki.solid---run.com/>

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>