

A38X Clearfog

[a38x](#), [usom](#), [microsom](#), [carrierboard](#), [SR-uSOM](#), [clearfog](#)



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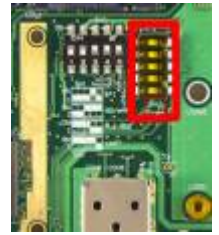
Description

With the Industry’s best Price Power Performance Ratio, the Marvell ARMADA 38X offers 1.6 GHz per core, has a proven SoC and wide scalability. Its compatibility with ARM v7 CPU power and Neon Linux packages means it has the widest support for standard ARM Binary Software without the need to recompile them.

Specs

Description/Model	Clearfog A-Model Pro
MicroSOM	A380 / A388 SoM
Memory and Storage	256MB / 1GB M.2 uSD / eMMC (optional)
Connectivity	2 x mSATA/mPCIE 1 x USB 3.0 port 1 x Port dedicated Ethernet 6 x Port switched Ethernet 1 x SFP (A388 only)
I/O and Misc.	Analog Audio/TDM module support GPIO Header (MikroBus) Indication LEDs User Push Buttons PoE expansion header RTC Battery FTDI (Console Only) / Debug Header JTAG Header
OS Support	Linux Kernel 3.x, OpenWRT, Yocto
Power	Wide range 9V- 34V Advanced Power Control Fan Control
Dimensions	225mm x 100mm

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Frequency Configuration via Hardware

Default 1-5 off

Hint: The right dip switch on the picture.

Dipswitch	CPU MHz	L2 cache MHz	Fabric clock MHz	DDR Mbps
all-off	1600	800	250	1600
2-on	1066	533	250	1066
3-on	1333	666	250	1333
2,3-on	666	333	250	666
2,3,4-on	800	400	250	800

There will be overclocking options too in the future to 1.8ghz/2.0ghz with newer DDR devices - but this is not public for now.

Debugging Port (MicroUSB/RS323)

You can find a MicroUSB-Port under the USB3-Port.



Clearfog Pro enclosure

Weight 0.45 kg ClearFog Pro aluminium enclosure.



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