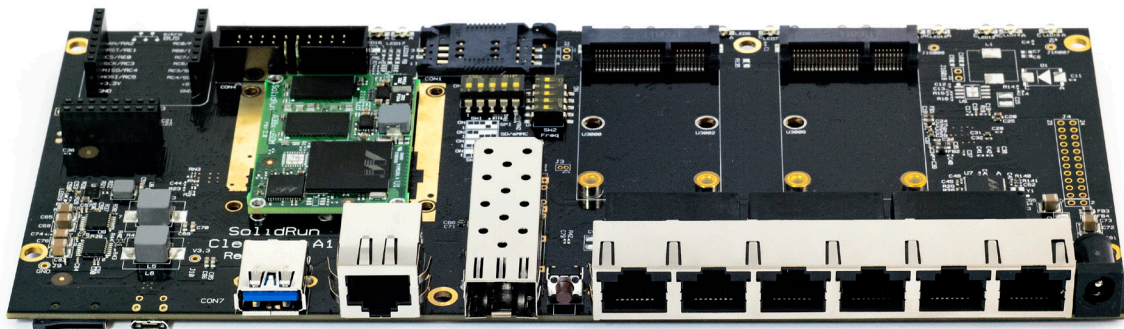


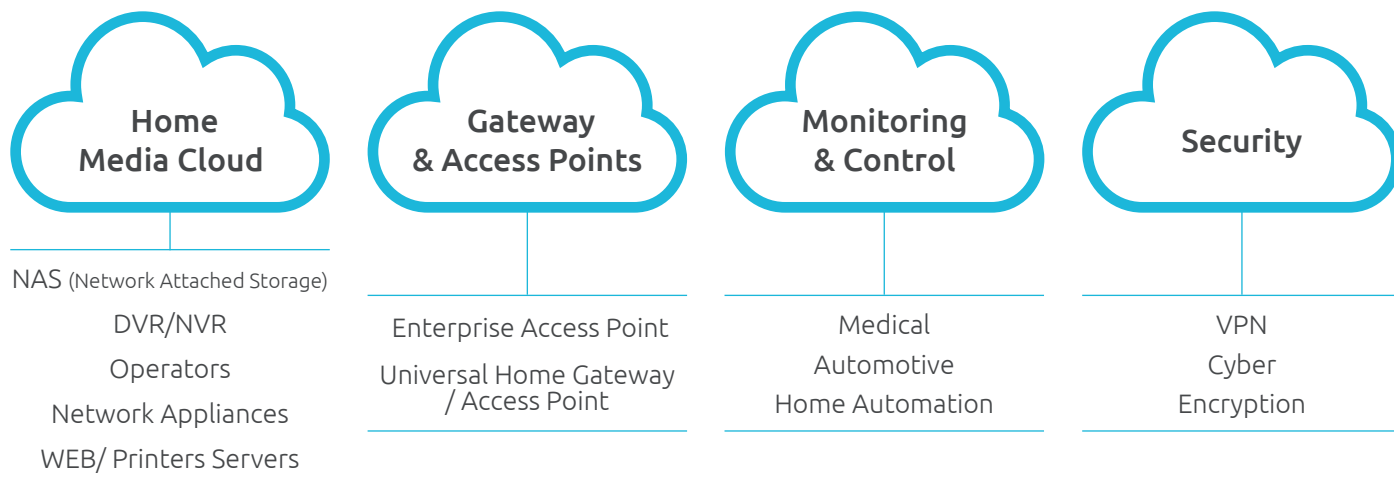
ClearFog | SolidRun-Carrier Board for uSOM ARMADA38x



All the power you need - All the reliability you need

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.

Applications



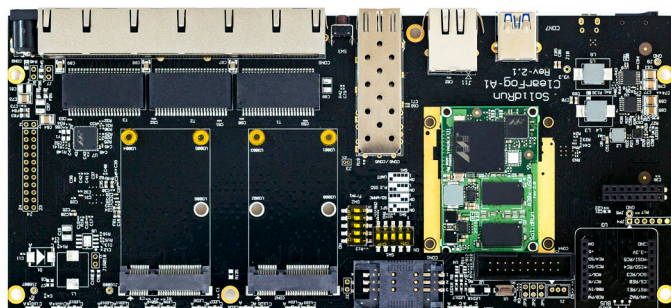
	ClearFog Base	ClearFog Pro
MicroSoM Model *	A380 / A388 SoM	A380 / A388 SoM
Memory and Storage	256MB (A380) / 1GB (A388) M.2** 8GB uSD / 4GB eMMC (Optional)	256MB (A380) / 1GB (A388) M.2 8GB uSD / 4GB eMMC (Optional)
Connectivity	1 x mSATA/mPCIe 1 x USB 3.0 port 2 x Port dedicated Ethernet 1 x SFP (A388 only)	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	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	Linux Kernel 3.x, OpenWrt, Yocto
Power	5V – Wide range ready	Wide range 9V- 32V Advanced Power Control Fan Control
Dimensions	160mm x 100mm (TBD)	225mm x 100mm
Enclosure	None	Optional metal enclosure

* Available in Commercial (0°C ~ 70°C ambient) and Industrial grade (-40°C ~ 85°C ambient)

** M.2 includes USB 3.0 support (in carrier Base only).

ARMADA 38x SoC maximum die temperature must be below 115°C in both Commercial and Industrial grades

ARMADA 38x SoC processor maximum speed for industrial grade devices is 1.3GHz



- > Reduces Time to Market
- > Reduces Design Risk
- > Reduces Design Cost
- > Reliable Design
- > No Moving Parts
- > Mix & Match: Choose your MicroSoM and match any carrier board

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