SolidRun
Make It Happen

ClearFog | SolidRun-Carrier Boards for SOM ARMADA A388

→ ClearFog Pro

→ ClearFog Base

MARVELL®

Pb lead-free

✓ RoHS 2002/95/EC
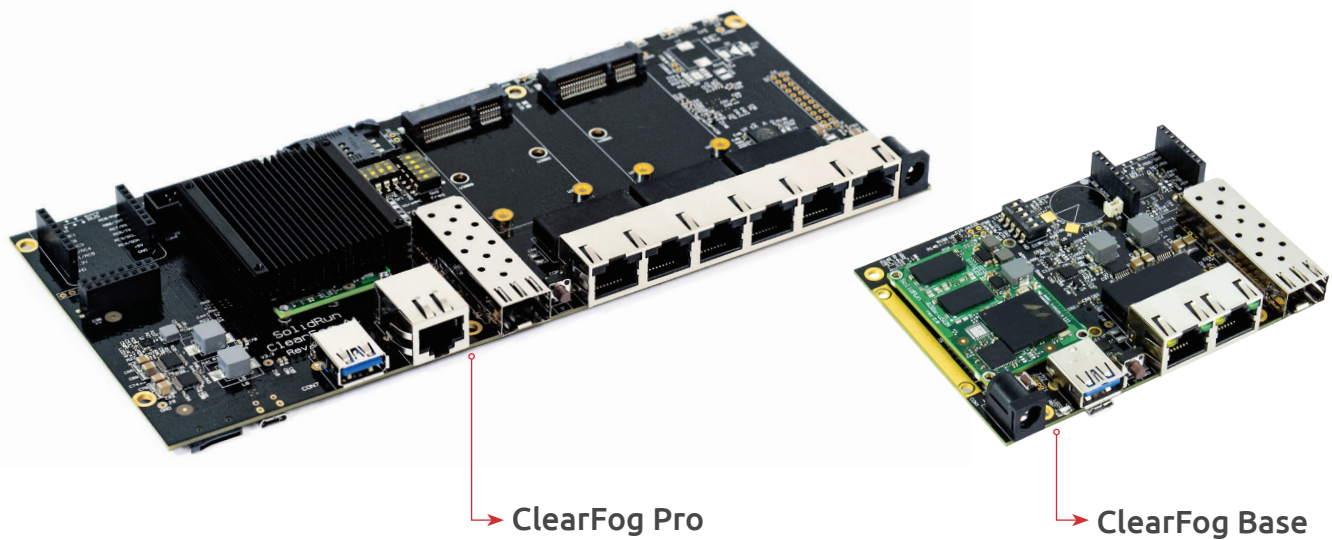
All the power you need - All the reliability you need

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

Home Media Cloud

NAS (Network Attached Storage)
DVR/NVR
Operators
Network Appliances
WEB/ Printers Servers

Gateway & Access Points

Enterprise Access Point
Universal Home Gateway / Access Point

Monitoring & Control

Medical
Automotive
Home Automation

Security

VPN
Cyber
Encryption
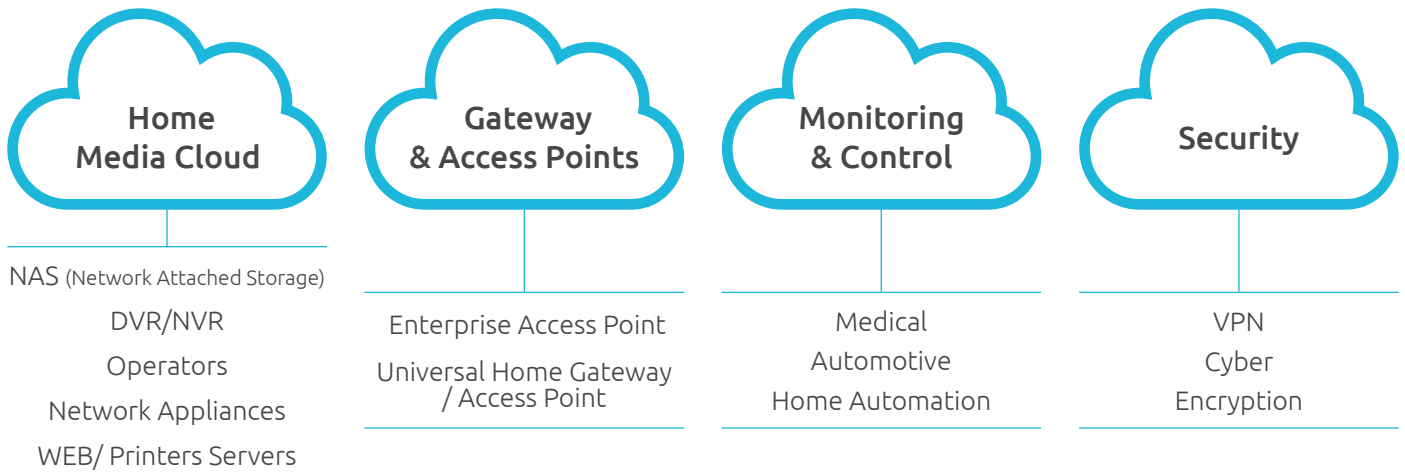
|	ClearFog Base	ClearFog Pro
SOM Model*	ARMADA based A388 SOM	ARMADA based A388 SOM
Memory and Storage	1GB M.2** 8GB uSD/8GB eMMC*** (Optional)	1GB M.2 8GB uSD/8GB eMMC*** (Optional)
Connectivity	1×mPCIE 1×USB 3.0 port 2×Port dedicated Ethernet 1×SFP	2×mSATA/mPCIE 1×USB 3.0 port 1×Port dedicated Ethernet 6×Port switched Ethernet 1×SFP
I/O and Misc.	mikroBUS Indication LEDs User Push Buttons PoE expansion header RTC Battery FTDI (Console Only)	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 4.x, OpenWrt, Yocto	Linux Kernel 4.x, OpenWrt, Yocto
Power	Wide range 9V-32V	Wide range 9V- 32V Advanced Power Control Fan Control
Dimensions	103mm × 75mm	225mm × 100mm
Enclosure	Optional Metal Enclosure	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, SATA, GNSS, 3G modules support (in carrier Base only).

*** Assembly option on the SOM.

ARMADA 388 SoC maximum die temperature must be below 115°C in both Commercial and Industrial grades.

ARMADA 388 SoC processor maximum speed for industrial grade devices is 1.3GHz.

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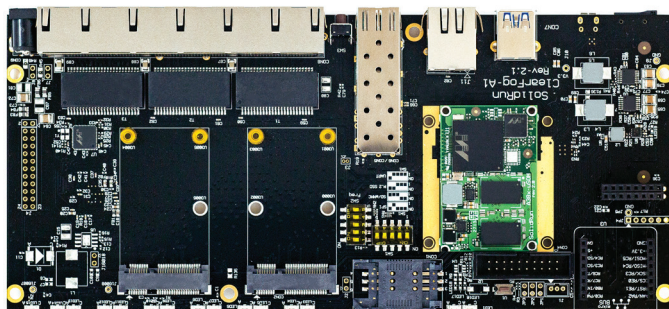
> Reduces Time to Market

> Reduces Design Risk

> Reduces Design Cost

> Reliable Design

> No Moving Parts

> Mix & Match: Choose your MicroSoM and match any carrier board