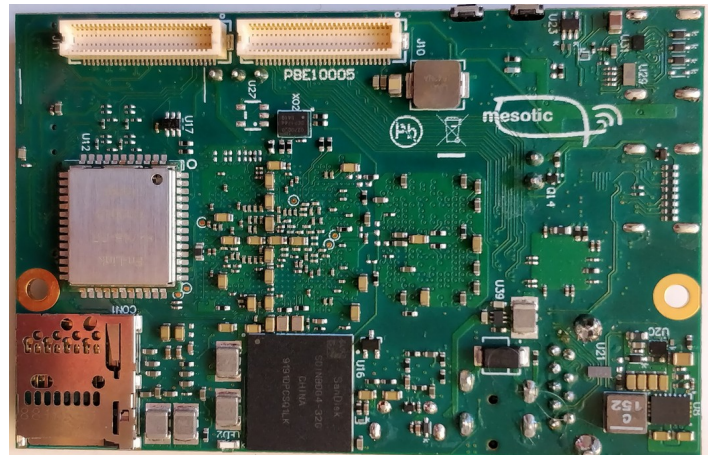
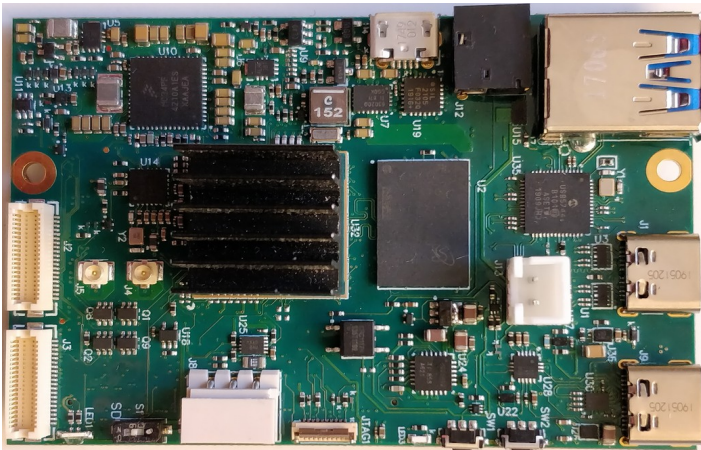


## ATCAM



ATCAM is an ultra-compact, high-performance single board computer. This board embeds a quad-core Cortex A53 running at up-to 1,5 GHz. 2 GB LPDDR4 available for heavy operations like image processing. It can boot on either SD card slot or the 32GB eMMC onboard. In addition, a 2x2 MIMO Wifi AC module allows a powerful wireless connection for streaming or remote application. Thanks to the 2 MIPI-CSI x4 lanes inputs, several cameras can be connected using a dedicated connector. The board can be supplied either with a battery, the USB type-C (OTG) connector or the additional PoE with the extension shield. HDMI display is available through a USB type-C or a HDMI-A connector depending on the variant, with a resolution up-to **4K@30fps**. This board can easily be embedded thanks to its small form-factor (50x75mm) into a wide variety of high-end multimedia applications or cutting-edge computer vision systems.

## Applications :






- Augmented or virtual reality
- Image processing
- Video streaming
- high-end multimedia









## Spec Summary

Physical dimensions (mm)	50 x 75
Temperature range (°C)	-40 to +85
Major components	NXP I.MX8MQ 2 GB LPDDR4 SDINBDG4-32
Others components	MAX17055 (battery gauge) BQ25892 (battery charger)
Display	HDMI through USB type-C or HDMI-A DSI (optional)
Input	2 x MIPI-CSI2 4 lanes






## Memory / Storage

-  2 GB LPDDR4-3200
-  1 SD Card slot (SDHC/SDXC)
-  1 eMMC (32GB)

## Connectivity

 1 USB OTG (USB-C)	 1 USB 3.0 Host
 Wifi AC 2x2 (u.FL connectors)	 Bluetooth Low Energy 4.1
 1 HDMI-A or USB-C for display	 1 RGB LED
 1 microUSB debug	 1 3-pins battery connector

## Additional connectivity on extension board

-  1 10/100/1000 Ethernet and optional PoE
-  1 PCIe M.2 connector
-  1 DSI dedicated connector
-  1 I2S/PCM interface
-  GPIOs, I2C, SPI

Connectivity or features can be modify on request.

## Contact Us

Contact us for additional product inquiries or pricing.

Phone : +33(0) 1 49 84 85 17

or mail : [contact@mesotic.com](mailto:contact@mesotic.com)