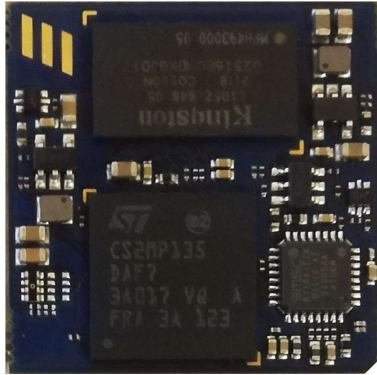# ENGICAM
EMBEDDED SOLUTIONS

MicroGEA STM32MP13

Engicam presents the new MicroGEA STM32MP13 based on the latest ST® processor equipped with Arm® Cortex®-A7 up to 1GHz. The module offers energy-efficient performances and is designed to provide full capabilities both in high-end wearables, and other low-power embedded and consumer applications.
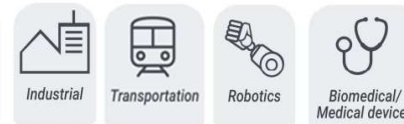
HIGHLIGHTS

- Very small form factor
- Low power consumption
- Dual Ethernet network interfaces
- SOM EOL at least 10 Years (based on ST Longevity program)

APPLICATIONS

Industrial   Transportation   Robotics   Biomedical/ Medical devices

FEATURES

CPU	ST® STM32MP135	
CORES	Arm Cortex-A7 up to 1 GHz	
MEMORY	Up to 1GB LPDDR3L	
GRAPHICS	Two layers (incl. 1 secured) with programmable color LUT	
VIDEO INTERFACES	LCD-TFT controller, up to 24-bit up to WXGA (1366 × 768) @60 fps	
USB	• 1x USB HOST 2.0 • 1x USB OTG 2.0	
AUDIO	• SAI interface	
NETWORKING	1x 10/100 Ethernet interfaces 1x RMII (option)	

MASS STORAGE	• 4GB eMMC drive soldered on-board
PERIPHERAL INTERFACES	UART, I^{2}C, SPI, CAN, SDIO, GPIOs
POWER SUPPLY	+3,3V DC
OPERATING SYSTEM	• Linux • Yocto
OPERATING TEMPERATURE*	Industrial qualified
DIMENSIONS	25 x 25 mm

* Valid for all components except CPU. Customer shall consider junction temperature for CPU. Temperature will widely depend on application. Specific cooling solutions could be necessary for the final system.

Alcom electronics

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