



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

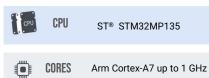








FEATURES





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

1x USB HOST 2.0
1x USB OTG 2.0

AUDIO • SAI interface

NETWORKING 1x 10/100 Ethernet interfaces 1x RMII (option)





4GB eMMC drive soldered on-board



UART, I2C, SPI, CAN, SDIO, GPIOs

POWER SUPPLY

+3,3V DC



• 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.





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BLOCK DIAGRAM

