








Engicam introduces the new GEA STM32MP13 based on the latest ST® processor equipped with Arm® Cortex®-A7 up to 1 GHz. The module offers very energy-efficient performance and is designed to provide rich performance in high-end wearables, and other low-power embedded and consumer applications.



## FEATURES

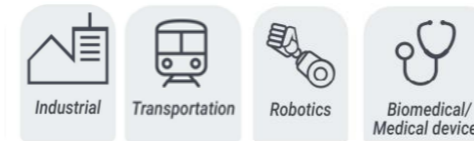









 CPU	ST® STM32MP135
 CORES	Arm Cortex-A7 up to 1 GHz
 MEMORY	Up to 1GB LPDDR3L
 GRAPHICS	Two layers (incl. 1 secured) with programmable color LUT
 VIDEO INTERFACES	LCD-TFT controller, up to 24-bit up to WXGA (1366 x 768) @60 fps
 USB	<ul style="list-style-type: none"> <li>• 1x USB HOST 2.0</li> <li>• 1x USB OTG 2.0</li> </ul>
 AUDIO	<ul style="list-style-type: none"> <li>• SAI interface</li> </ul>

## HIGHLIGHTS

- Standard EDIMM 2.0
- Low power consumption
- SOM EOL at least 10 Years (based on ST Longevity program)

## APPLICATIONS



 NETWORKING	<ul style="list-style-type: none"> <li>• 2x 10/100 Ethernet interface</li> </ul>
 MASS STORAGE	<ul style="list-style-type: none"> <li>• 4GB eMMC drive soldered on-board</li> </ul>
 PERIPHERAL INTERFACES	UART, I <sup>2</sup> C, SPI, CAN, SDIO, GPIOs
 POWER SUPPLY	+5V DC
 OPERATING SYSTEM	<ul style="list-style-type: none"> <li>• Linux</li> <li>• Yocto</li> </ul>
 OPERATING TEMPERATURE*	Industrial qualified
 DIMENSIONS	25 x 67.6 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.

BLOCK DIAGRAM

