

i.Core AM62x

Engicam introduces i.Core Am62x, based on the newest TI's AM62 processor, equipped with Arm® Cortex®-A53 @ up to 1.4 GHz processor and Cortex M4F @ up to 400MHz. The low-cost AM62x Sitara™ features display support and 3D graphics acceleration. The extensive set of peripherals and optimized power architecture drive i.Core AM62x well-suited for a broad range of industrial and automotive applications.



HIGHLIGHTS

- Standard EDIMM 2.0
- Suitable for industrial HMI and driver monitoring systems applications
- Powerful Quad core A53 @1.4 GHz

















APPLICATIONS



FEATURES



	CPU	TI AM62x Sitara
	CORES	Up to 4 Arm Cortex-A53 @ 1.4 GHz and Single-core Cortex-M4F MCU @ 400 MHz.
	MEMORY	Up to 16GB DDR4 @1600MTs
	GRAPHICS	3D GPU, OpenGL ES 3.1, Vulkan 1.2
	VIDEO INTERFACES	<ul style="list-style-type: none"> • Dual channel LVDS up to 1920x1080 @60fps • MIPI-CSI
	NETWORKING	2x Gb Ethernet interfaces (1x RGMII option available)
	AUDIO	I ² S interface

	USB	• 2x USB HOST 2.0
	MASS STORAGE	Starting from 8GB eMMC drive soldered on-board
	PERIPHERAL INTERFACES	UART, I ² C, SPI, JTAG, CAN, SDIO, GPIOs
	POWER SUPPLY	+5V DC
	OPERATING SYSTEM	Linux, Yocto, Android
	OPERATING TEMPERATURE*	Industrial qualified
	DIMENSIONS	32 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

