

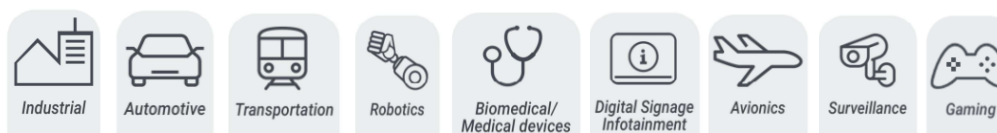
Engicam introduces the new i.Core MX8X system on module family for connectivity, multimedia and industrial HMI applications. The module is based on the EDIMM versatile pinout and is compatible with the actual Engicam SOM product line



HIGHLIGHTS

- Standard EDIMM 2.0
- Suitable for safety-certifiable and efficient performance requirements

APPLICATIONS



FEATURES

	CPU	NXP® i.MX 8X
	CORES	Up to quad Cortex®-A35 @1.2GHz & Cortex-M4F@266MHz
	MEMORY	Up to 2GB LPDDR4
	GRAPHICS	<ul style="list-style-type: none"> • 1x 2 or 4-Shader, OpenGL ES 3.0 or 3.1 • Vulkan® VX Extensions
	VIDEO INTERFACES	<ul style="list-style-type: none"> • MIPI-DSI 2x 4-Lanes • LVDS 2x 1channel or 1x dual channels • MIPI-CSI 4 lanes INPUT
	VIDEO PROCESSING	<ul style="list-style-type: none"> • 4Kp30 (h.265, h.264, VP8) dec • 1080p60 (h.264, VP8) enc
	AUDIO	<ul style="list-style-type: none"> • I²S interface
	NETWORKING	<ul style="list-style-type: none"> • 2x GB Ethernet interface

	USB	<ul style="list-style-type: none"> • USB HOST 3.0 • USB OTG 2.0
	MASS STORAGE	<ul style="list-style-type: none"> • Starting from 4GB expandible eMMC
	PERIPHERAL INTERFACES	UART, I²C, CAN, SDIO, SPI, ADC
	PCIe	1x PCIe
	OPERATING SYSTEM	<ul style="list-style-type: none"> • Linux • FreeRTOS
	POWER SUPPLY	+5V DC
	DIMENSIONS	67,6 x 32,1 mm
	OPERATING TEMPERATURE	Industrial qualified

BLOCK DIAGRAM

