

Engicam introduces the new SmarCore MX8X module family connectivity, multimedia and industrial HMI applications. The new module is based on the versatile SMARC 2.1 pinout and it's compatible with the others SMARC 2.1 compliant modules.



HIGHLIGHTS

- Virtualization
- Vision
- 3D Graphics
- 4K Video

APPLICATIONS



FEATURES



	CPU	NXP® i.MX8X
	CORES	Up to 4x Cortex® -A35 @1.2GHz & Cortex-M4F@266MHz
	MEMORY	2GB LPDDR4 expandible up to 4GB
	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 • 2x USB OTG 2.0
	MASS STORAGE	Starting from 4GB eMMC drive soldered on-board
	PERIPHERAL INTERFACES	UART, I²C, 3x CAN/CAN FD, SDIO, SPI, GPIOs, ADC, TPM 2.0 option available
	PCIe	1x PCIe 3.0 1 lane
	OPERATING SYSTEM	<ul style="list-style-type: none"> • Linux • Yocto • Android
	POWER SUPPLY	+5V DC
	DIMENSIONS	Standard SMARC short size module
	OPERATING TEMPERATURE	Industrial and consumer qualified

BLOCK DIAGRAM

