

EDIMM 2.0

NEW
COMING SOON

SOM

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

i.Core MX8X



PROCESSOR AND MEMORY

CPU	NXP i.MX8X up to Quad ARM Cortex-A35@1.2GHz and Cortex-M4F@266MHz
RAM	Up to 2 GB LPDDR4
eMMC	4 GB expandible

PERIPHERAL

UART	USB OTG 2.0
I2C	USB HOST 2.0/3.0
CAN	2xLAN GB Ethernet
I2S	SDIO
ADC	SPI

DISPLAY

RESOLUTION	Dual display up to 4K Ultra HD
MIPI-DSI	2 x 4-lanes
LVDS	2 x 1channel or 1 x DUAL channels

MECHANICAL

MINIATURE SIZE	32,1mm x 67,6mm
CONNECTORS	1 x 200 pin SODIMM EDIMM standard

MULTIMEDIA

VIDEO PROCESSING UNIT	Video: h.265 dec 4K, h.264 enc/dec 1080
GRAPHIC PROCESSING UNIT	1 x 2- or 4-Shader, OpenGL ES 3.0 or 3.1 Vulkan® VX Extensions
VIDEO INPUT	MIPI-CSI 4 lanes

QUALIFICATION AND LIFETIME

Industrial and consumer qualified
10 and 15-year Longevity Program

Preliminary subject to changes