
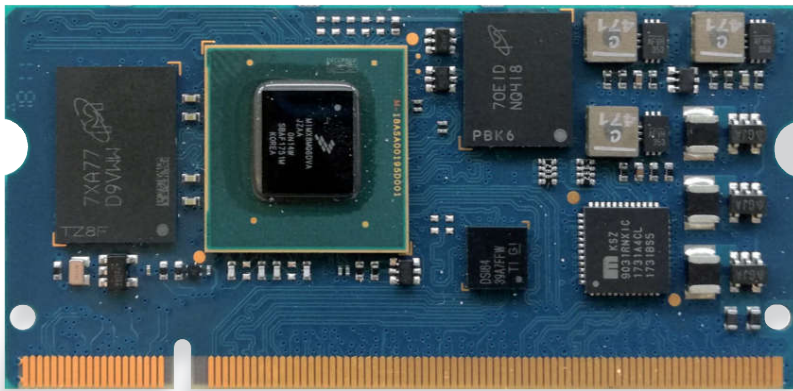


# EDIMM 2.0



Engicam introduces the new *i.Core MX8M* system on module family for connectivity, multimedia and industrial HMI applications. The new module will be based on the  versatile pinout and will be compatible with the actual Engicam SOM.

## i.Core MX8M



yocto  
PROJECT

### PROCESSOR AND MEMORY

CPU	NXP i.MX8M up to Quad ARM Cortex-A53 and Cortex-M4F
RAM	Up to 2 GB LPDDR4
NAND	512MB expandible

### PERIPHERAL

UART	USB OTG 2.0/3.0
I2C	USB HOST 2.0/3.0
CAN	LAN GB Ethernet
I2S	SDIO
PCIe	SPI

### DISPLAY

RESOLUTION	Dual display up to 4K Ultra HD
MIPI-DSI	4-lanes
LVDS	Via MIPI-DSI Bridge
HDMI	2.0a

### MECHANICAL

MINIATURE SIZE	32.1mm x 67.6 mm
CONNECTORS	1 x 200 pin SODIMM EDIMM 2.0 standard

### MULTIMEDIA

VIDEO PROCESSING UNIT	4Kp60 with High Dynamic Range (h.265, VP9), 4Kp30 (h.264), 1080p60 (MPEG2, MPEG4p2, VC1, VP8, RV9, AVS/AVS+, h.263, DiVX), MJPEG - 8x8
GRAPHIC PROCESSING UNIT	OpenGL/ES 3.1, OpenGL 3.0, Vulkan, OpenCL 1.2
VIDEO INPUT	2 MIPI-CSI 4 lanes

### QUALIFICATION AND LIFETIME

Industrial and consumer qualified
10 and 15-year Longevity Program

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