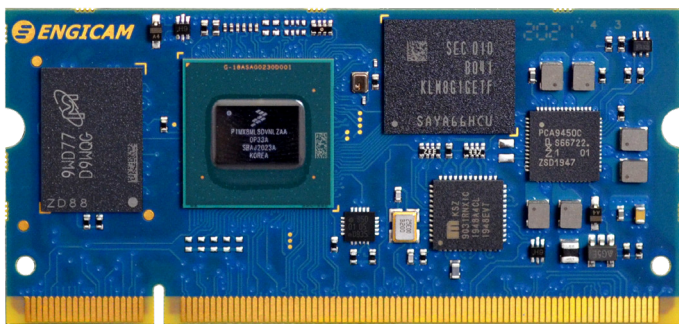
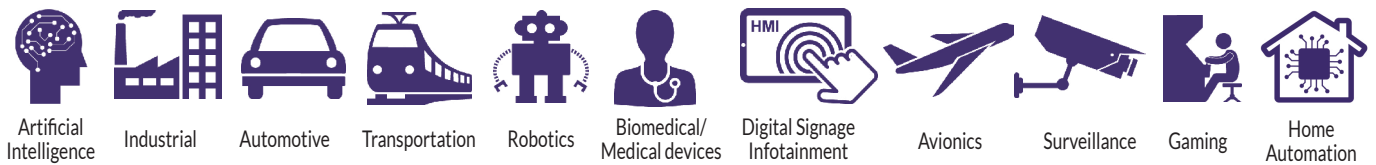


# i.Core MX8M Plus

Portwell introduces the new module i.CoreMX8M Plus equipped with the Cortex-A53 cores plus Cortex-M7, for machine learning, IOT connectivity, multimedia and HMI applications. The new module will be based on EDIMM 2.0 versatile.



- Standard Edimm 2.0
- Powerful quad Arm® Cortex®-A53 processor with a Neural Processing Unit (NPU)
- Suitable for high performance HMI and video applications



<b>CPU</b>	NXP® i.MX 8M Plus	<b>MASS STORAGE</b>	Up to 32GB eMMC
<b>CORES</b>	Powerful quad Arm® Cortex®-A53 @ up to 1.6GHz processor with a Neural Processing Unit (NPU) operating at up to 2.3 TOPS + Cortex®-M7 CPU @ 800 MHz.	<b>NETWORKING</b>	1 x Gb Ethernet interface
<b>MEMORY</b>		up to 4GB LPDDR4	<b>USB</b>
<b>GRAPHICS</b>	GC7000UL (2 shaders), OpenGL ES 2.0/3.0/3.1, Vulkan, OpenCL 1.2; GC520 (2D)	<b>AUDIO</b>	I2S Interface
<b>VIDEO INTERFACES</b>		LVDS, 18/24bit up to Full HD MIPI-DSI – 4 lanes option HDMI up to Full HD 2x MIPI-CSI – 4 lanes	<b>PERIPHERAL INTERFACES</b>
<b>VIDEO PROCESSING UNIT CAPABILITIES</b>	1080p60 HEVC (h.265, h.264, VP9, VP8) dec; 1080p60 HEVC (h.265, h.264) enc	<b>POWERSUPPLY</b>	+ 5V DC
		<b>OPERATING SYSTEM</b>	Linux – Yocto, Android
		<b>OPERATING TEMPERATURE*</b>	Industrial (-40°C to 105°C Tj)
		<b>DIMENSIONS</b>	32.1 x 67.6 mm