

UltraGEA MX8QM

Engicam introduces the first SOM of the new family UltraGEA based on NXP[®] powerful i.MX 8QM processors equipped with the 4x Cortex-A53, plus up to 2x Cortex-A72 plus up to 2x Cortex-M4F.



HIGHLIGHTS
















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



APPLICATIONS



FEATURES

 CPU	NXP [®] i.MX8 Quad Max	 VIDEO RESOLUTION	Single UltraHD 4Kp60 display or up to 4 independent FullHD 1080p60 displays
 CORES	Up to 2x ARM Cortex-A72@1.6 GHz, 4x Cortex-A53 @ 1.26 GHz, up to 2 Cortex-M4 @ 266MHz and 1x HIFI4 DSP	 MASS STORAGE	4GB eMMC expandable
 MEMORY	Up to 6GB LPDDR4 @3200MT/s	 NETWORKING	2x GB Ethernet interface
 GRAPHICS	16 Vec4-Shader GPU, 32 compute units OpenGL [®] ES 3.2 and Vulkan [®] support Tessellation and Geometry Shading Split-GPU architecture enables 2x 8 Shader Cores Vision Extensions 4k h.265 Decode, 1080p h.264 encode	 USB	USB OTG 2.0/3.0 USB HOST 2.0/3.0
		 AUDIO	2x I2S interfaces
 VIDEO INTERFACES	2x Display Processor Controllers with inline blending and WARP SafeAssure Fail-over capable (per DPC) 2x 4-lane MIPI DSI 2x 4-lane MIPI CSI 2x LVDS 1x HDMI* 2.0 TX with HDCP* 2.2, 1x eDP* 1.2, 1x DP* 1.4 1x HDMI 1.4 RX with HDCP 2.2	 PERIPHERAL INTERFACES	PCIe interfaces, I2C, SPI, UART, JTAG, SDIO interfaces
		 POWERSUPPLY	+ 5V DC
		 OPERATING SYSTEM	Linux - Yocto
		 OPERATING TEMPERATURE*	Industrial (-40°C to 105°C Tj)
		 DIMENSIONS	41.5 x 81.5 mm