

# MICROGEA MX8ULP

Engicam presents MicroGEA MX8ULP based on new NXP® i.MX 8ULP processor that features up to two Arm® Cortex®-A35 running at 1 GHz, an Arm Cortex-M33 core. This module brings ultra-low power processing advanced integrated security and a graphical engine.

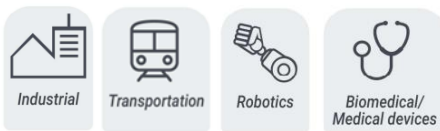


## HIGHLIGHTS















- Very small form factor
- Optimizing energy at the chip level
- 3D GPU engine



## APPLICATIONS



## FEATURES

 <b>CPU</b>	NXP® i.MX8ULP	 <b>USB</b>	2x USB HOST
 <b>CORES</b>	Dual Cortex®-A35 @ 1.0 GHz and Cortex-M33 @ 216 MHz	 <b>AUDIO</b>	I2S interface
 <b>MEMORY</b>	Up to 2 GB LPDDR4X - 1066	 <b>PERIPHERAL INTERFACES</b>	CAN Bus, UARTs, JTAG, I2C, SPI, GPIOs
 <b>GRAPHICS</b>	GPU3D support for Open GL ES 3.1, Vulkan 1.1, Open CL 2.x and Open VG1.1	 <b>POWER SUPPLY</b>	+3,3V DC
 <b>VIDEO INTERFACES</b>	<ul style="list-style-type: none"> <li>• Up to 24 bit Parallel LCD</li> <li>• MIPI-DSI</li> </ul>	 <b>OPERATING SYSTEM</b>	Linux Yocto
 <b>NETWORKING</b>	10/100 Ethernet interface	 <b>OPERATING TEMPERATURE*</b>	Industrial qualified
 <b>MASS STORAGE</b>	Up to 8 GB eMMC drive soldered on-board	 <b>DIMENSIONS</b>	25 x 26 mm

\* Valid for all components except CPU. Customer shall consider junction temperature for CPU. Temperature will widely depend on application. Specific cooling solutions could be necessary for the final system.