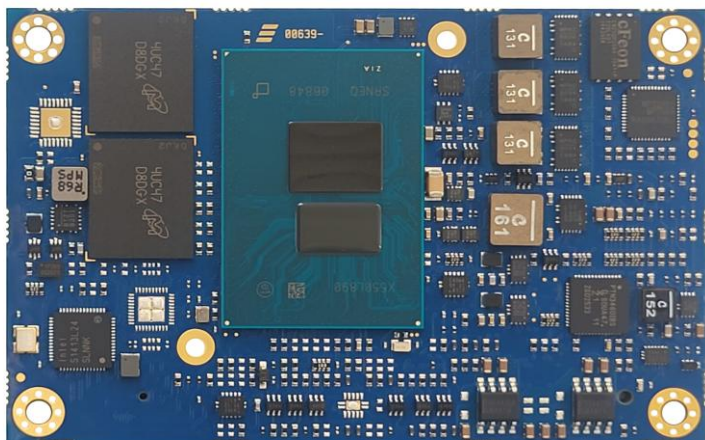


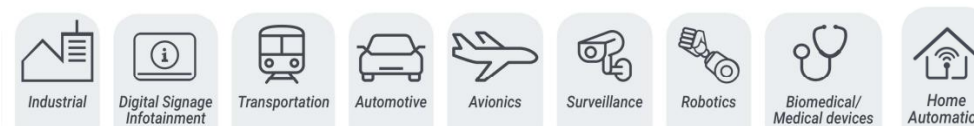
The new Engicam COMe module, based on Intel® processors AMSTON LAKE™ Intel Atom® x7000RE series and Intel Atom® x7000C series for edge AI, multimedia and HMI applications.



HIGHLIGHTS

- Standard COM Express® Mini type 10
- Suitable for edge AI, vision and advanced multimedia applications
- Ethernet interface up to 2.5 Gb
- DDI/HDMI up to 4096x2160@60Hz

APPLICATIONS



FEATURES



	CPU	Intel® Amston Lake
	CORES	- Intel Atom® x7000RE Series** - Intel Atom® x7000C Series
	MEMORY	Up to 16GB LPDDR5 @ 4800 MT/s
	AI & GRAPHICS	UHD Intel, OpenGL 4.6, OpenCL 3.0 , Direct X 12.1, IPU 6
	VIDEO INTERFACES	- DDI/HDMI - eDP/LVDS
	VIDEO PROCESSING	- HEVC/ H265, VP9, AV1 dec - HEVC/H265 enc
	AUDIO	HDA Interface

	NETWORKING	Ethernet interface up to 2.5 Gb
	MASS STORAGE	2x SATA - Starting from 4GB eMMC drive soldered on-board
	USB	2 x USB HOST 3.2 8 x USB HOST 2.0
	PCIe	4 x PCIe Gen3
	PERIPHERAL INTERFACES	SDIO, SM Bus, I²C, LPC/eSPI, SPI, UART, GPIOs
	POWER SUPPLY	+5 to 20 V DC
	OPERATING SYSTEM	- Ubuntu - Windows 10
	OPERATING TEMPERATURE*	Industrial** and commercial qualified
	DIMENSIONS	55 x 84 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.

BLOCK DIAGRAM

