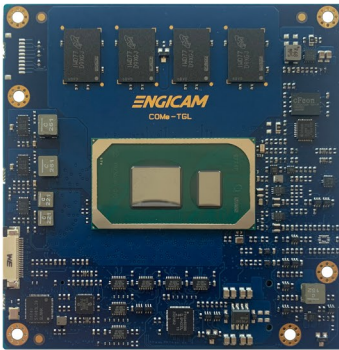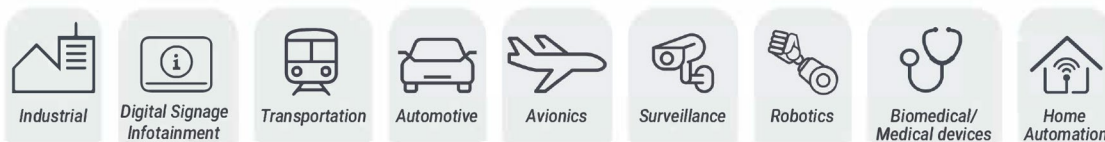# COMe TGL

The new Engicam's COMe Tgl is a COM-Express module based on Intel processors **TIGER LAKE**.
The module is build on new levels of CPU and graphics performance and it integrates IoT features, real-time performance, manageability, security, and functional safety.

COM Express®

Windows 10

HIGHLIGHTS

- Standard COMe type 6
- Powerful Graphics platform
- Based on Intel® TIGER LAKE

APPLICATIONS

| Industrial | Digital Signage Infotainment | Transportation | Automotive | Avionics | Surveillance | Robotics | Biomedical/ Medical devices | Home Automation |

FEATURES

	CPU	
		• Intel® Core i7-1185G7E Processor Quad Core up to 2.8 GHz, up to 28W
		• Intel® Core i5-1145G7E Processor Quad Core up to 2.6 GHz, up to 28W
		• Intel® Core 13-1115G4E Processor Dual Core up to 3.0 GHz, up to 28W
		• Intel® Celeron® Processor 6305E Dual Core up to 1.8 GHz, up to 15W
		• Intel® Core i7-1185GRE Processor Quad Core up to 2.8 GHz, up to 28W
		• Intel® Core i5-1145GRE Processor Quad Core up to 2.6 GHz, up to 28W
		• Intel® Core 13-1115GRE Processor Dual Core up to 3.0 GHz, up to 28W

	CORES	Up to 4
	MEMORY	From 2GB to 32 GB LPDDR4 – 4266MT/s
	GRAPHICS	Integrated Iris Xe Graphics Core Gen12 architecture, with up to 96 Execution Units MPEG2, WMV9, AVC/H.264, JPEG/MJPEG
	VIDEO INTERFACES	• 3x HDMI/DP • eDP/LVDS
	VIDEO PROCESSING	• HEVC/H.265, VP9, AV1 HW decoding, up to 8k @60. • AVC/H.264, HEVC/H.265, JPEG, VP9 HW encoding

	NETWORKING	Ethernet interface up to 2.5 Gb
	MASS STORAGE	• 2x SATA
	USB	• 4 x USB HOST 3.1 • 8 x USB HOST 2.0
	PCIE	4 x PCIe 4.0 8 x PCIe 3.0
	PERIPHERAL INTERFACES	UART, SM Bus, I2C, LPC/eSPI, SPI, GPIOs
	AUDIO	HDA Interface
	OPERATING SYSTEM	• Ubuntu • Windows 10
	POWER SUPPLY	12V (optional 5VSBY)
	DIMENSIONS	95 x 95 mm
	OPERATING TEMPERATURE*	Industrial (-40°C to 110°C Tj)

* 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.