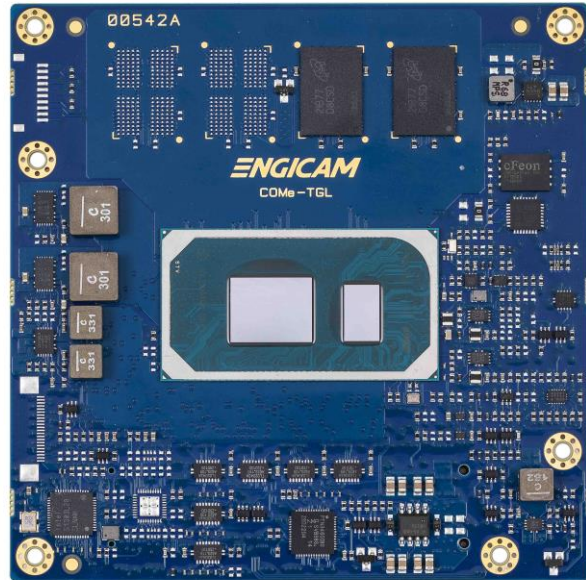










A new Engicam COMe module, based on Intel® TIGER LAKE™ processors with the new Intel® Iris® Xe graphics. The platform offers up to 2.95 times higher graphics performance and the module combines a high-performance CPU, single-thread performance up to 23% and multi-thread up to 19% faster compared to the previous generation processors.



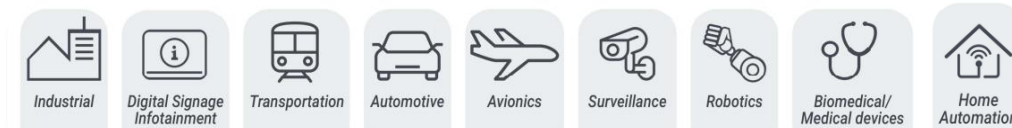
FEATURES









 CPU	<ul style="list-style-type: none"> 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 i3-1115G4E 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 i3-1115GRE Processor Dual Core up to 3.0 GHz, up to 28W
 CORES	Up to 4
 MEMORY	From 4GB to 32 GB LPDDR4 – 4266MT/s
 GRAPHICS	<ul style="list-style-type: none"> Integrated Iris Xe Graphics Core Gen12 architecture, with up to 96 Execution Units MPEG2, WMV9, AVC/H.264, JPEG/MJPEG
 VIDEO INTERFACES	<ul style="list-style-type: none"> 3x HDMI/DP eDP/LVDS
 VIDEO PROCESSING	<ul style="list-style-type: none"> HEVC/H.265, VP9, AV1 HW decoding, up to 8k @60. AVC/H.264, HEVC/H.265, JPEG, VP9 HW encoding
 AUDIO	HDA Interface
 NETWORKING	Ethernet interface up to 2.5 Gb

HIGHLIGHTS

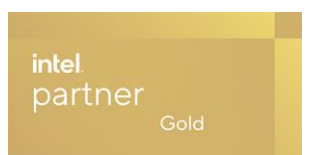
- Standard COM Express® Compact type 6
- Powerful Graphics platform
- Ethernet Interface up to 2.5 Gb
- PEG 4.0
- HDMI 2.0 Up to 4Kx2K 48-60Hz
- DP Up to 5120x3200 @60Hz

APPLICATIONS



 MASS STORAGE	<ul style="list-style-type: none"> • 2x SATA
 USB	<ul style="list-style-type: none"> • 4 x USB HOST 3.1 • 8 x USB HOST 2.0
 PCIE	8x PCIe 3.0
 PERIPHERAL INTERFACES	SM Bus, I ² C, LPC/eSPI, SPI for bios, GPIOs, UART (option), CSI connector (option)
 POWER SUPPLY	+12V DC (optional 5VSBY)
 OPERATING SYSTEM	<ul style="list-style-type: none"> • Ubuntu • Windows 10
 OPERATING TEMPERATURE	Industrial (-40°C to 110°C Tj*)
 DIMENSIONS	95 x 95 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

