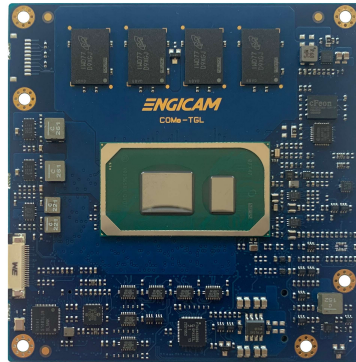










COMe 6C- TGL

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.



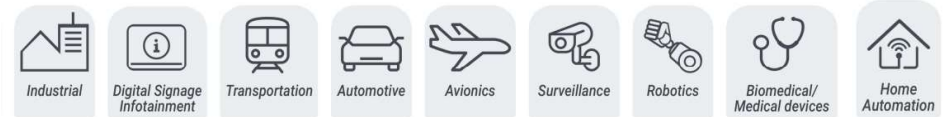
FEATURES









| | |
|---|---|
|  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 | 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
- PCI Express 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 | <ul style="list-style-type: none"> • 4x PCIe 4.0 • 8x PCIe 3.0 |
|  PERIPHERAL INTERFACES | UART, SM Bus, I ² C, LPC/eSPI, SPI, GPIOs |
|  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

