

High Performance 3.5" Single Board Computer based on Intel® Tiger LAKE™ series.



HIGHLIGHTS
















- CPU Intel TIGER LAKE processor series
- CONNECTIVITY 2x GbE, WiFi/BT, WWAN with SIM, RS232, RS485
- GRAPHICS Intel 12^o generation (Gen12) with up to 96 Execution Units MPEG2, WMV9, AVC/H.264, JPEG/MJPEG
- MEMORY SODIMM module up to 32GB DDR4

APPLICATIONS



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	1 x SODIMM up to 32GB DDR4	
 GRAPHICS	<ul style="list-style-type: none"> • Integrated Iris Xe Graphics Core Gen12 architecture, with up to 96 execution Units • DirectX 12.1, OpenGL 4.6, OpenCL 2.0 	
 VIDEO INTERFACES	<ul style="list-style-type: none"> • HDMI up to 4K @ 60Hz • Optional eDP up to 4K @ 60Hz • LVDS Single Channel up to Full HD @ 60Hz via ePD bridge 	
 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 • MPEG2, WMV9, AVC/H.264, JPEG/MJPEG 	
 NETWORKING	<ul style="list-style-type: none"> • 2 x Gb Ethernet interfaces • WLAN/BT M.2 key E • WWAN M.2 Key B with SIM slot 	
 AUDIO		Build-in HD with CS4207-CNZ Logic (MIC, HP & Line)
 USB		<ul style="list-style-type: none"> • 4 x USB HOST 3.2 • 1 x internal USB HOST 2.0
 MASS STORAGE		<ul style="list-style-type: none"> • 2x SATA slot • 1x SSD M.2 Key M slot • 1x SSD M.2 Key B slot
 PERIPHERAL INTERFACES		<ul style="list-style-type: none"> • 1 x I2C (1xSM BUS) – 1 x JTAG • 2 x RS232(1 x Debug/Console) • 1 x Port RS232 or RS485 programmable via Bios • 12 x GPIOs
 MINI SLOT		<ul style="list-style-type: none"> • 1 x M.2 Key E • 1 x M.2 Key M • 1 x M.2 Key B
 OPERATING SYSTEM		<ul style="list-style-type: none"> • Linux • Windows
 OPERATING TEMPERATURE*		Industrial (-40°C to 110°C Tj*)
 DIMENSIONS		147 x 102 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.

CABLE MAP

