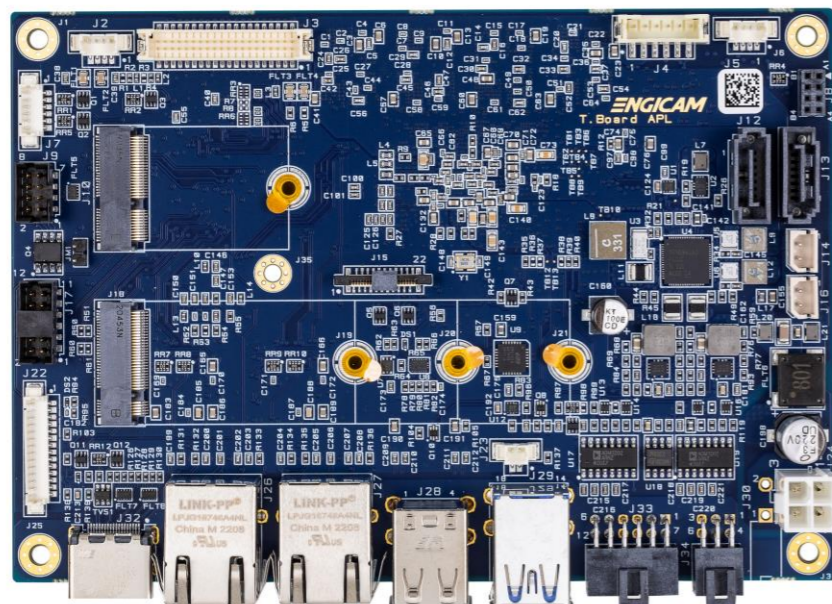


High Performance 3.5" Single Board Computer based on Intel® Atom® processor series X.



HIGHLIGHTS









- CPU Intel Apollo Lake™ processor series
- CONNECTIVITY 2x GbE, WiFi/BT, RS232, RS485
- MEMORY on-board soldered, up to 8GB LPDDR4









APPLICATIONS



FEATURES



 CPU	<ul style="list-style-type: none"> • Intel Atom x7-E3950 (4 x 1.6 / 2.0 GHz, 2MB L2 cache, 12W) • Intel Atom x5-E3940 (4 x 1.6 / 1.8 GHz, L2 cache 2MB, 9W) • Intel Atom x5-E3930 (2 x 1.3 / 1.8 GHz, L2 cache 1MB, 6.5W) • Intel Celeron® N3350 (2 x 1.1 / 2.4 GHz, L2 cache 1MB, 6W) • Intel Pentium® N4200 (4 x 1.1 / 2.5 GHz, L2 cache 2MB, 6W)
 CORES	Up to 4
 MEMORY	Up to 8GB LPDDR4
 GRAPHICS	<ul style="list-style-type: none"> • Graphics : Intel 9th generation (Gen 9) LP graphics. • HW accelerated encode HEVC (L5), H.264 (L5.2), MVC (L5.1) VP8, JPEG/MJPEG.
 VIDEO INTERFACES	<ul style="list-style-type: none"> • HDMI • LVDS
 VIDEO PROCESSING	<ul style="list-style-type: none"> • Graphics : Intel 9th generation (Gen 9) LP graphics. • HW accelerated encode HEVC (L5), H.264 (L5.2), MVC (L5.1) VP8, JPEG/MJPEG.
 AUDIO	Build in HD with CS4207-CNZ Logic (MIC, HP & Line)
 NETWORKING	<ul style="list-style-type: none"> • 2x Gb Ethernet interface • WLAN/BT M.2 key E

 USB	<ul style="list-style-type: none"> • 2x USB HOST 3.1 • 2x USB HOST 2.0 • USB internal MilliGrid connector
 MASS STORAGE	<ul style="list-style-type: none"> • 2x SATA • eMMC drive soldered on-board • SSD M.2 Key B slot
 PERIPHERAL INTERFACES	<ul style="list-style-type: none"> • 2x I2C • 1x RS232 x Debug/Console) • 2x RS232 or 1x RS485+RS232 • Panel Header (PWR, RST, Led CTRL)
 MINI SLOT	<ul style="list-style-type: none"> • 1x M.2 Key E • 1x M.2 Key B
 OPERATING SYSTEM	<ul style="list-style-type: none"> • Linux • Windows
 POWER SUPPLY	+12 to 24 V DC
 DIMENSIONS	147 x 102 mm (3.5" form factor)
 OPERATING TEMPERATURE	Industrial (-40°C to 85°C)

* 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

