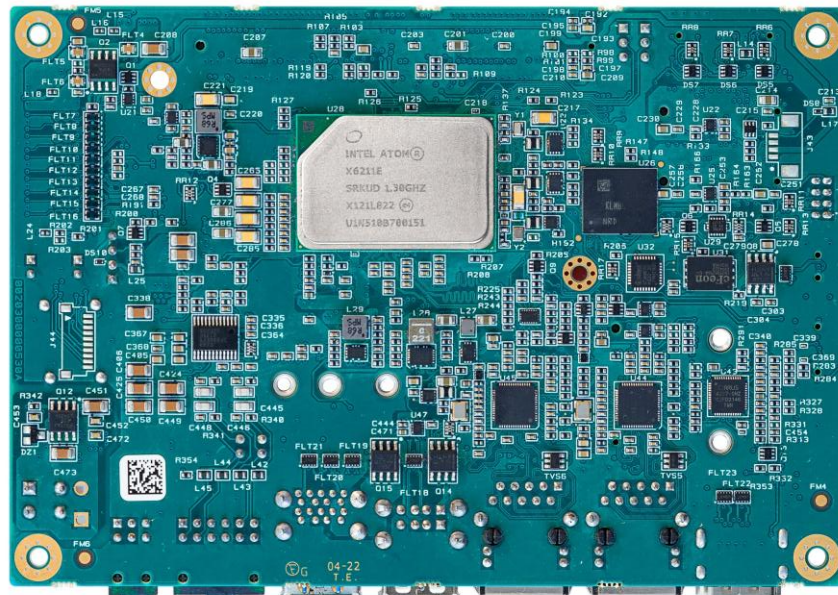


High Performance 3.5" Single Board Computer based on Intel® Atom® x6000E series.



HIGHLIGHTS

- CPU Intel ELKHART LAKE™ processor series
- CONNECTIVITY 2x GbE, WiFi/BT, WWAN with SIM, RS232, RS485/422, CAN
- GRAPHICS Intel 11th generation (Gen11) LP graphics controller, DirectX 12.1 compliant, OpenGL supported
- MEMORY SODIMM module up to 16GB DDR4

APPLICATIONS



FEATURES



CPU

- Intel Atom X6211E Dual Core @ 1.2 GHz (burst 3.0 GHz) 1.5MB L2 cache, 6W
- Intel Atom X6413E Quad Core @ 1.5 GHz (burst 3.0 GHz) 1.5MB L2 cache, 9W
- Intel Atom X6425E Quad Core @ 1.8 GHz (burst 3.0 GHz) 1.5MB L2 cache, 12W
- Intel Atom X6212RE Dual Core @ 1.2 GHz, 1.5MB L2 cache, 6W
- Intel Atom X6414RE Quad Core @ 1.5 GHz, 1.5MB L2 cache, 9W
- Intel Atom X6425RE Quad Core @ 1.9 GHz, 1.5MB L2 cache, 12W
- Intel Atom X6427FE Quad Core @ 1.9 GHz, 1.5MB L2 cache, 12W
- Intel Atom X6200FE Dual Core @ 1.0 GHz, 1.5MB L2 cache, 4.5W



CORES

Up to 4



MEMORY

1 x SODIMM up to 16GB DDR4



GRAPHICS

- Intel® 11th generation (Gen 11) LP graphics controller.
- DirectX 12.1 compliant, OpenGL ES 3.1/3.0/2.0/1.1, OpenGL 4.5 supported, OpenCL™ 1.2, Vulkan 1.0 APIs, Dedicated FIVR for Graphics, Intel® Virtualization Technology for Directed I/O (VT-d)



VIDEO INTERFACES

- HDMI up to 4K @ 60Hz
- Optional eDP up to 4K @ 60Hz
- LVDS Dual Channel up to Full HD @ 60Hz via ePD bridge



VIDEO PROCESSING

- HEVC/H.265, H.264, VP9, VP8, WMV9/VC1, MPEG-2, VC-1. JPEG/MJPEG dec
- HEVC/H.265, H.264, VP9, JPEG/MJPEG enc



AUDIO

Build in HD with CS4207-CN2 Logic (MIC, HP & Line)



NETWORKING

- 2 x Gb Ethernet interface
- WLAN/BT M.2 key E
- WWAN M.2 Key B with SIM slot



USB

- 2 x USB HOST 3.0
- 2 x USB HOST 2.0
- 1 x internal USB HOST 2.0



MASS STORAGE

- 2x SATA slot
- eMMC drive soldered on-board (optional)
- 2x SSD M.2 Key M slot



PERIPHERAL INTERFACES

- 2 x I2C(1xSM BUS) – 1 x JTAG (optional) – 2 x CAN
- 3 x RS232(1 x Debug/Console, 1x CAN optional)
- 1 x Port RS232, RS485 or RS422 programmable via Bios
- 12 x GPIOs(I/O, QEP, PWM, TPGPIO)
- 1 x Connector for USB Touch screen controller



MINI SLOT

- 1 x M.2 Key E(PCI-E Gen3x1, USB2.0, UART)
- 1 x M.2 Key B(PCI-E Gen3x2, USB2.0, I2S, SIM)
- 1 x M.2 Key B (PCI-E Gen3x2)



OPERATING SYSTEM

- Linux
- Windows



OPERATING TEMPERATURE

Industrial (–40°C to 85°C)



DIMENSIONS

147 x 102 mm (3.5" form factor)

CABLE MAP

