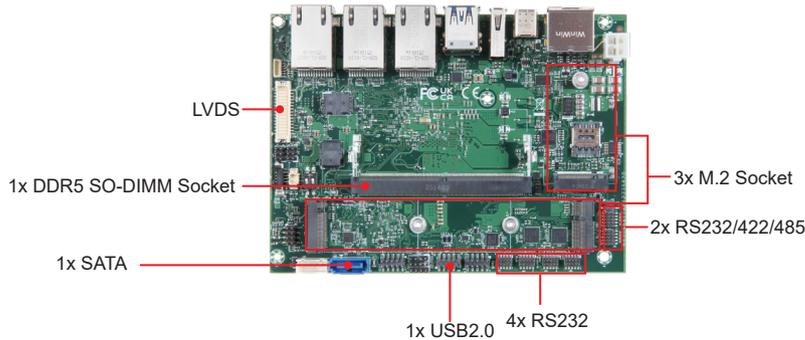


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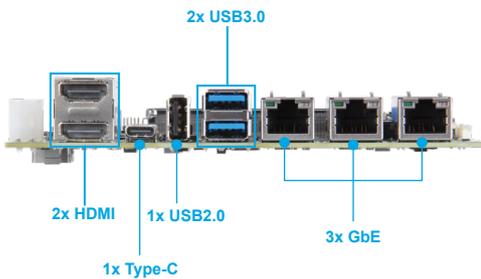
Intel® Core™ Processor N-series/Intel® Processor N-Series/Intel Atom® x7000RE Series Processors based 3.5" Embedded System Board with DDR5 SDRAM, Triple LAN Ports (2x 2.5GbE + 1x GbE), M.2 (E, B and M Key) Sockets, Six COM Ports and 9~36V DC Input



## FEATURES

- Intel® Core™ 3 Processor N355 (formerly Twin Lake), Intel® Processor N150 (Twin Lake), Intel Atom® x7433RE Processor (Amston Lake)
- Supports dual HDMI & one Type-C & one LVDS display output
- 1x DDR5 SO-DIMM socket, 4800MT/s, up to 16GB
- Supports three LAN ports(2x 2.5GbE & 1x GbE, OOB-remote power on/off/reset, BIOS recovery, Series over LAN)
- Supports M.2 (M Key, B Key & E Key)
- Supports TPM function and 9~36V DC-in

## REAR I/O



## General

Processor	Intel® Core™ 3 Processor N355 (Twin Lake), Intel® Processor N150 (Twin Lake), Intel Atom® x7433RE Processor (Amston Lake)
BIOS	AMI uEFI BIOS
Memory	Support up to 16GB DDR5 4800 MT/s
Storage	1x SATA port shared with M.2
Watchdog Timer	Programmable, time out period from 1 s to 255 s

## Rear I/O

Audio	1x Audio Jack Line-in , Line-out , Mic-in w/ Realtek ALC897
Ethernet	- 1x 1 GbE LAN w/ Intel WGI210AT - 2x 2.5 GbE LAN w/ Intel WGI226LM - Amston Lake uses i226IT/i210IT, Twin Lake uses i226LM/i210AT
USB	- 2x USB 3.2 Gen2 Type A on Rear - 1x USB 3.2 Gen2 Type C with DP Alt mode on rear support display
Display	2x HDMI 2.0

## Expansion I/O

Serial Port	- 4x COM ports support RS-232 - 2x COM ports support RS-232/422/485
USB	- 1x USB 2.0 Type A on rear
M.2	- 1x M.2 E Key (2230) support USB, PCIe x1 - 1x M.2 M Key (2280) support SATA, PCIe x1 - 1x M.2 B Key (3042/3052) support USB, PCIe x1, 4G/5G
SIM	Nano SIM slot
Security	TPM 2.0 (BOM option)
Display	1x LVDS (on board header)

## Mechanical/Environment

Dimension	146 x 102 mm (5.75" x 4.02")
Power Supply	DC Jack 9~36V
Operating Temperature	0 ~ 60 °C (32.0 ~ 140.0 °F) -40 ~ 85°C (Amston Lake SKU)
Storage Temperature	-40 ~ 85 °C (-40.0 ~ 185.0 °F)
Relative Humidity	5% to 95%, non-condensing