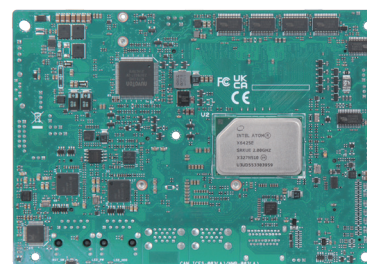
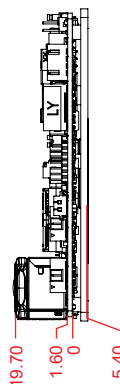
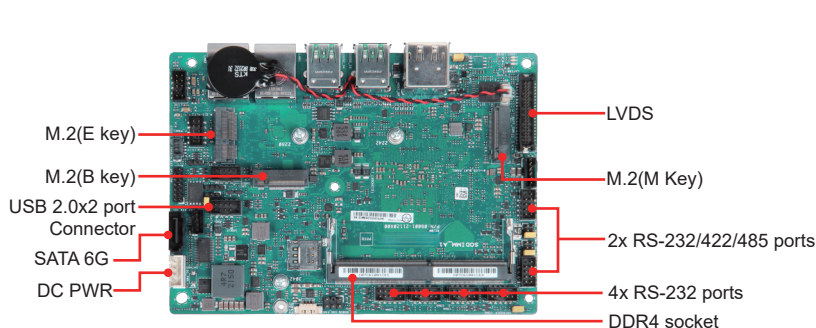


PEB-2274

Intel® Elkhart Lake Atom Processor based 3.5" embedded Board with DDR4 SDRAM, Gigabit Ethernet, M.2(E+B+M key) sockets, 6x COM ports and 9~36V DC input

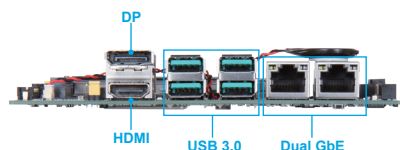


PEB-2274 builds on Intel® Atom Elkhart Lake SoC and takes advantages of Intel® Atom Processor support DDR4 memory. Support two Gigabit Ethernet ports and three M.2 sockets and wide voltage of power input from 9V to 36V.

FEATURES

- Supports DDR4 3200 MHz non-ECC SDRAM on one SODIMM slots, up to 32GB
- Supports three displays configurations: HDMI+DP+LVDS
- Supports three M.2(E+B+M key) slots, one SATAIII port
- Supports wide voltage of DC power input from 9V~36V

REAR/IO



ORDERING GUIDE

AB1-3S90	(GP).PEB-2274 Intel Elkhart Lake SoC on Board(x6425E,3.0G,12C,1.5M).EBC. w/ DDR4/DP/HDMI/GbE/COM/Audio/USB
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PACKING LIST

One PEB-2274 Main board

GENERAL

Processor	Intel® Atom® x6425E, 4 cores, 2.0GHz/3.0GHz, 12W TDP
Chipset	Integrated
Memory	- DDR4 3200 MHz, In-Band ECC (IB ECC) - SO-DIMM socket, up to 32GB
Storage Devices	- 1x SATA III
Watchdog Timer	YES
Expansion Interface	- 1 x M.2 E key, type 2230 for WIFI/BT device - 1 x M.2 M key, type 2280 (SATA mode & PCIe x2 mode) - 1 x M.2 B key (USB 2.0)

I/O INTERFACE

Audio	- Realtek ALC897 - Line-out or Mic-in
Ethernet	2 x Intel® i210IT with 2 x RJ-45
Serial port	- 6 (2 x RS-232/422/485, 4 x RS 232)
USB	- 4x USB 3.2 Gen2 ports on rear I/O - 1x USB 2.0 Header support additional 2 x USB2.0 connectors
Keyboard & Mouse	N/A
GPIO	1(8-bit)
Other	1 x SPI TPM header

DISPLAY

Graphic Controller	Intel® 10th Gen UHD Graphics
Display Interface	- HDMI 2.0 up to 4K x 2K @ 60 Hz - DP++1.2 up to 4096 x 2160 @ 60 Hz - LVDS up to 1920 x 1080 @ 60 Hz

Mechanical & Environment

Dimension	146mm(L) x 105(W) mm
Power Supply	DC 9V~36V input
Environment	- Operating temperature: -40°C to 85°C - Non-Operating temperature: -40°C to 85°C - Relative humidity: 10 to 95% (non condensing)
MTBF	TBD



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