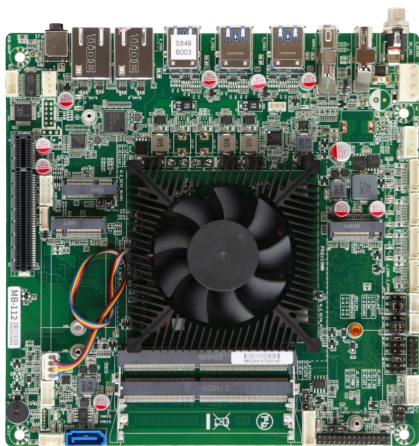


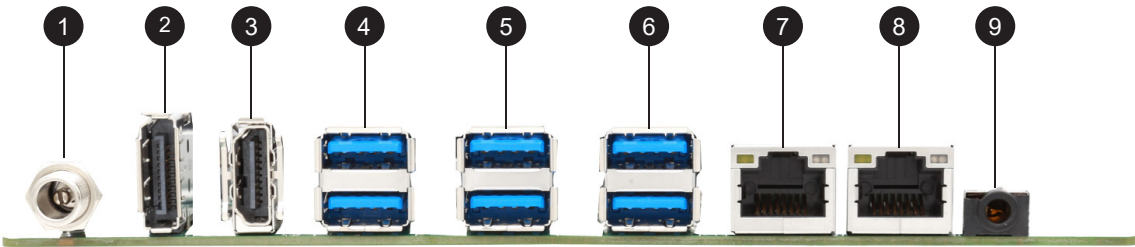


FEATURES

- 12th Gen Intel® Core™ i3/i5/i7 (Alder Lake-P), 15W TDP
- 2 x DDR4-3200 SO-DIMM, up to 64GB
- 1 x PCIe 8x slot (Gen4 x4 signal)
- 1 x HDMI 4096x2304@30Hz plus LVDS/eDP
- 2 x RJ45 GbE (Intel i210AT + i219-V/LM)
- 6 x USB3.0 Type-A, 4 x RS232, GPIO / ESPI
- DC 12V input, 170 x 170 mm board

SPECIFICATIONS

General	
CPU	i3-1215U 6C 1.20GHz 15W · i5-1235U 10C 1.30GHz 15W i7-1255U 10C 1.70GHz 15W
Graphics	Intel® UHD Graphics (i3) / Intel® Iris® Xe Graphics (i5/i7), up to 96 EUs
Memory	2 x DDR4 SO-DIMM, 3200MHz, non-ECC, up to 64GB (2 x 32GB)
Storage	1 x SATA3.0 7P (with SATA power wafer) 1 x M.2 M-Key 2280, NVMe / SATA
BIOS	AMI UEFI BIOS with watchdog timer
OS	Windows 10 IoT Enterprise 2021 LTSC, Windows 10 (21H2), Windows 11 (21H2) or later, Linux Kernel 5.17 or later
I/O	
Ethernet	1 x Intel® i210AT + 1 x Intel® i219-V/LM GbE controller (RJ45, 10/100/1000Mbps)
USB	6 x USB3.0 Type-A (rear I/O) 2 x USB2.0
Serial	4 x RS232, COM1-4 (wafer, full lane)
Audio	Realtek HDA codec, 1 x Line-Out + MIC 2-in-1 3.5mm jack
Expansion	1 x PCIe 8x slot (Gen4 x4 signal)
Other	1 x 8-bit GPIO header 1 x ESPI header
Display	
HDMI	1 x HDMI Type-A, max 4096x2304@30Hz
DP	1 x DP Type-A, max 4096x2304@60Hz
LVDS/eDP	1 x LVDS/eDP header (default LVDS) LVDS max 1920x1080, dual channel 24-bit eDP max 3840x2160@60Hz
Multi-Display	Triple independent display (HDMI + DP + LVDS/eDP)
Mechanical & Environment	
Dimension	170.0 x 170.0 mm
Power	DC 12V input (DC 24V BOM optional), 1 x DC jack
Temperature	Operation: 0~60 °C, Storage: -20~75 °C



- 1

DC IN 12V
- 2

1 x DP 4K@60Hz
- 3

1 x HDMI 4K@30Hz
- 4

2 x USB3.0 Type-A
- 5

2 x USB3.0 Type-A
- 6

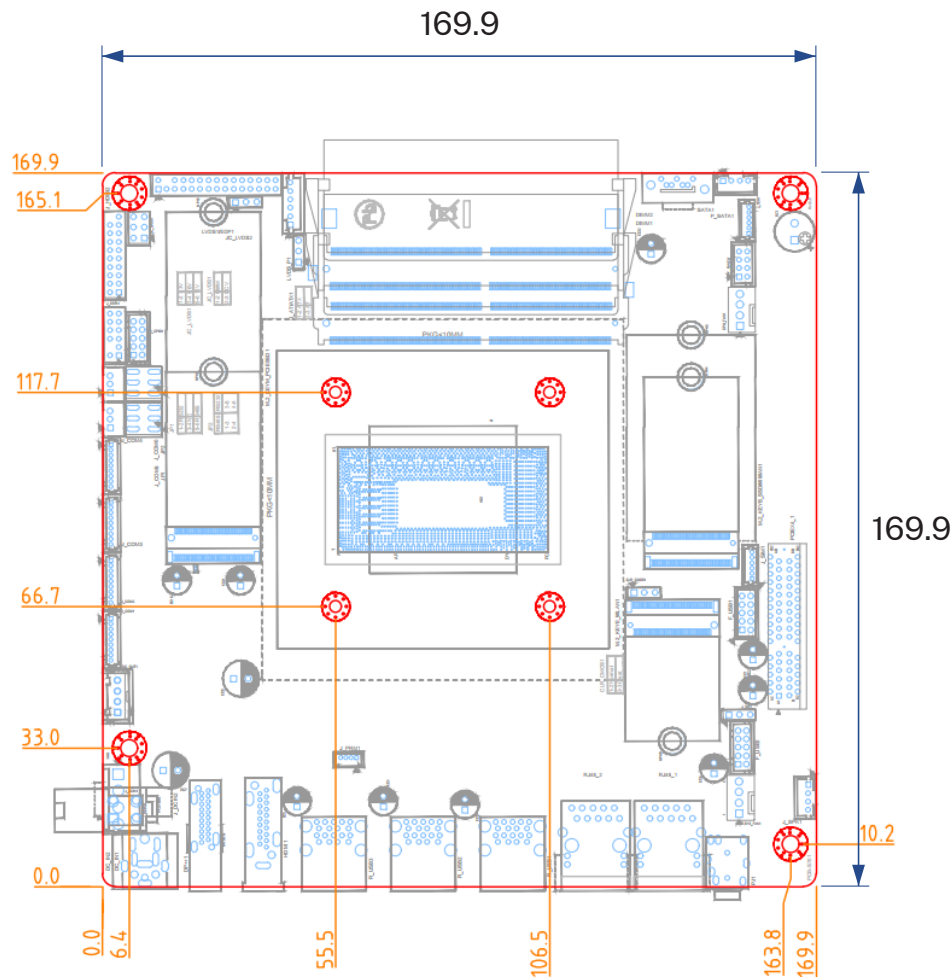
2 x USB3.0 Type-A
- 7

1 x RJ45 GbE LAN
- 8

1 x RJ45 GbE LAN
- 9

Audio combo jack

PRODUCT DIMENSIONS



unit: mm