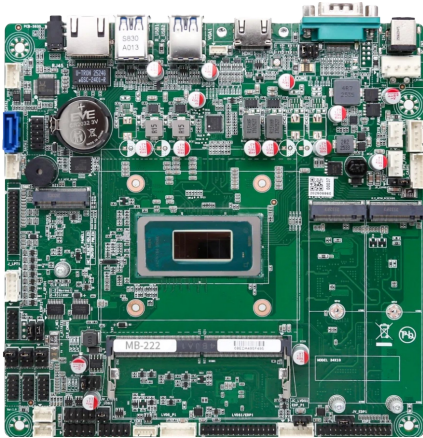




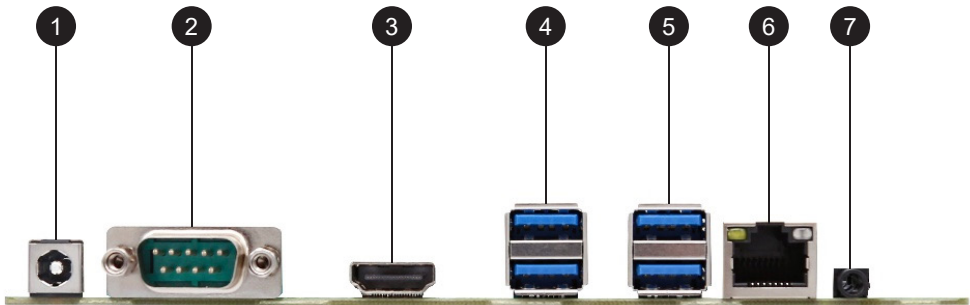
FEATURES

- Intel® Core™ Ultra (Meteor Lake-U/H), up to 16 cores
- Intel® 4 Xe-Cores Graphics + AI Boost NPU
- DDR5-5600 non-ECC memory
- Quad display: HDMI, LVDS and eDP
- 4 x USB3.2 Gen1 and 6 x USB2.0
- Realtek 8111H GbE LAN, M.2 E-Key WiFi
- DC 12V input, 170 x 170 mm board

SPECIFICATIONS

General	
CPU	Ultra5 125U 12C 4.30GHz 15W · Ultra7 155U 12C 4.80GHz 15W Ultra5 125H 14C 4.50GHz 28W · Ultra7 155H 16C 4.80GHz 28W Ultra5 225U 12C 4.80GHz 15W · Ultra7 255U 12C 5.2GHz 15W
Graphics	Intel® 4 Xe-Cores Graphics / Intel® Arc™ Graphics
Memory	Non-ECC DDR5 5600MHz, 1 x SO-DIMM, up to 32GB, single channel
BIOS	AMI UEFI BIOS
OS	Windows 10 / 11 64bit, Linux
I/O	
Ethernet	1 x Realtek RTL8111H GbE, PXE / RPL boot, Wake on LAN
USB	4 x USB3.2 Gen1 5Gbps, 6 x USB2.0 (one USB2.0 colay with M.2 Key-E WLAN)
Serial	4 x RS232, COM1-4 2 x RS232 2-wire, COM5-6 1 x Parallel
Audio	Realtek HDA codec, 1 x Line-Out + MIC (CTIA), 1 x 3W/4Ω amplifier
Storage	1 x SATA Gen3 6Gbps 1 x M.2 M-Key 2280, PCIe 4.0 x4 NVMe 1 x M.2 M-Key 2280, PCIe 4.0 x4 (SATA by BOM)
Expansion	1 x M.2 E-Key 2230, PCIe (WiFi) BOM option: PCIe + USB2.0 / USB2.0
Onboard I/O	1 x CPU FAN, 1 x System FAN, 1 x front panel (PWR/RESET/LED) 1 x I2C touch, 1 x ESPI debug, 1 x cash drawer (12V/24V) 8 x GPIO, 4 GPI + 4 GPO, non-isolated 5V (3.3V by BOM)
Others	TPM fTPM 2.0, watchdog timer 1-255s, HW monitor AT/ATX select (default ATX), CMOS clear
Display	
HDMI	1 x HDMI, max 4096x2160@30Hz VGA by BOM, max 1920x1200@60Hz
LVDS	1 x LVDS, max 1920x1200@60Hz eDP by BOM, max 4096x2160@60Hz / 1 x eDP, max 4096x2160@60Hz
Multi-Display	Quad independent display
Mechanical & Environment	
Dimension	170.0 x 170.0 mm, PCB 1.6mm
Power In	1 x rear DC-IN 12V, 1 x internal DC-IN 12V / DC-OUT 12V@2A, 5V@2A
OS	Windows 10 / 11 64bit, Linux
Temperature	Operation: 0~60 ℃, Storage: -20~75 ℃ / Storage 5~95%, non-condensing

I/O LAYOUT



- ❶

1 x DC IN 12V
- ❷

1 x COM (DB9)
- ❸

1 x HDMI 4K@30Hz
- ❹

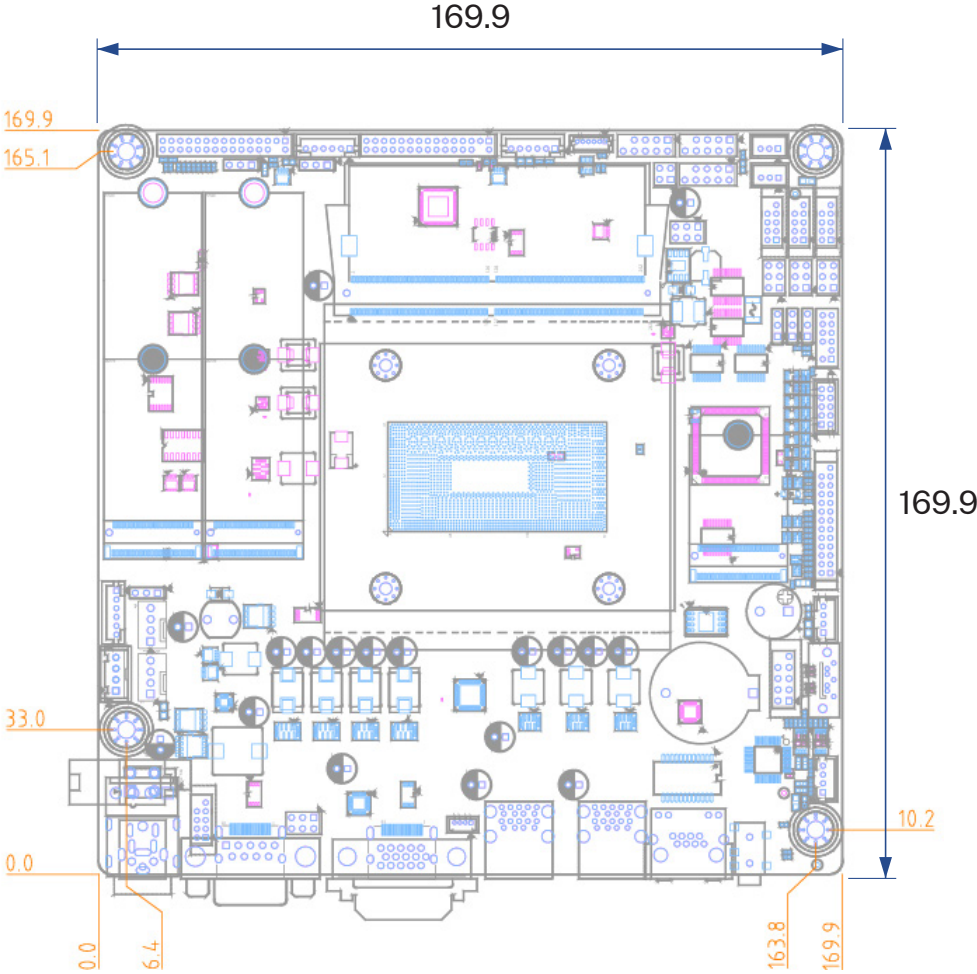
2 x USB3.0 Type-A
- ❺

2 x USB3.0 Type-A
- ❻

1 x RJ45 GbE LAN
- ❼

Audio combo jack

PRODUCT DIMENSIONS



unit: mm