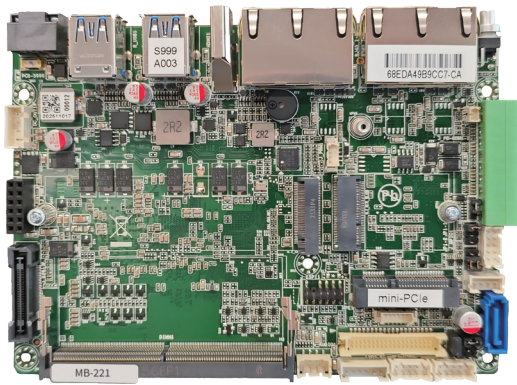




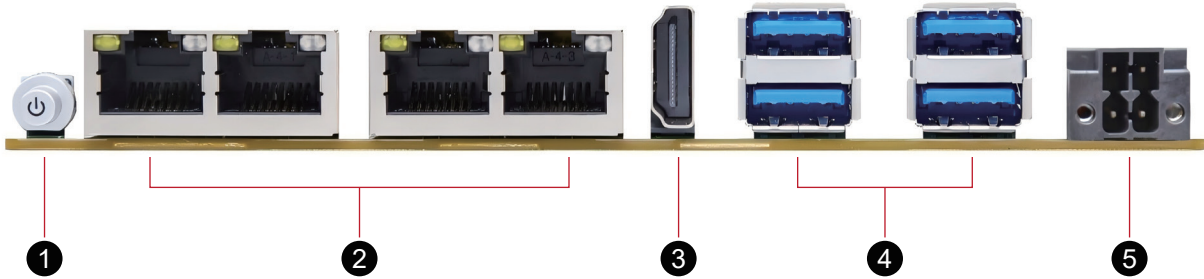
FEATURES

- Supports Intel® Meteor Lake-U/H processors (Core Ultra 5 125U / 125H, Ultra 7 optional)
- 1 x DDR5 5600 MT/s SO-DIMM, up to 32GB memory
- Dual independent display via 1 x HDMI Type-A and 1 x LVDS (Optional: eDP)
- 4 x Gigabit Ethernet (RJ45) ports and 4 x USB 3.0 Type-A ports for rich connectivity
- 1 x M.2 Key-M (PCIe x4 / optional SATA), 1 x M.2 Key-E (Wi-Fi/BT), and 1 x Mini-PCIe slot

SPECIFICATIONS

General	
CPU	Intel® Meteor Lake-U, Core Ultra 5 125U Processor (Optional: 125H / Ultra 7)
Memory	1 x DDR5 SO-DIMM (5600 MT/s, Non-ECC), up to 32GB
Storage	1 x SATA Gen3 6Gbps, 1 x M.2 (Key-M 2280, PCIe x4 NVMe SSD)
Expansion Interface	1 x M.2 (Key-E 2230, PCIe x1 + USB2.0, WiFi + Bluetooth) 1 x Mini-PCIe 3052 (PCIe x1 + USB 2.0, with 1 x SIM Card Wafer) 1 x Expansion I/O Header (BTB) + 1 x Power Out Header
BIOS	AMI UEFI BIOS
System	Windows 10/11 64bit, Linux
I/O	
Ethernet	4 x GbE LAN (2 x Dual RJ45, LAN1-4, Intel® I210)
Serial	2 x RS232 (COM1-2, 10 x 1P Terminal Block, Optional: RS485)
USB	4 x USB 3.0 Type-A, 2 x Dual USB 2.0 Wafers
Audio	Realtek HDA Codec, with Line-Out + MIC
GPIO	1 x 8-bit GPIO Wafer (4 x GPI + 4 x GPO, 5V default / 3.3V optional)
Others	1 x Power Button, 1 x Front Panel, 1 x CPU Fan, 1 x Buzzer, Watchdog, RTC, fTPM 2.0
Display	
Display Interface	1 x HDMI Type-A: max 3840 x 2160@30Hz (Supports Dual Display)
	1 x LVDS DF13 Connector + Backlight Wafer (LVDS1, VDD=3.3V; Optional: eDP, 5V/12V)
Mechanical & Environment	
Dimension	146 x 105mm (PCB Thickness: 1.6mm; Top <19.0mm, Bottom <4.0mm)
Power Input	DC 12V/19V/24V Auto-Detect (Supports OVP/UVF, with 12V/5V DC-Out)
Temperature	Operation: 0°C~60°C, Storage: -20°C~75°C
Relative Humidity	Operation: 5%~95%, Storage: 5%~95%, Non-condensing

I/O LAYOUT



- 1 1 x Power Button
- 2 4 x GbE LAN
- 3 1 x HDMI
4K@30HZ
- 4 4 x USB 3.0 Type-A
- 5 DC IN 12/19/24V

PRODUCT DIMENSIONS

unit: mm

