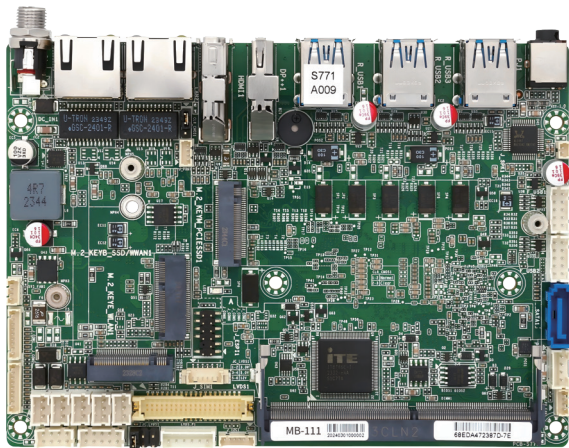




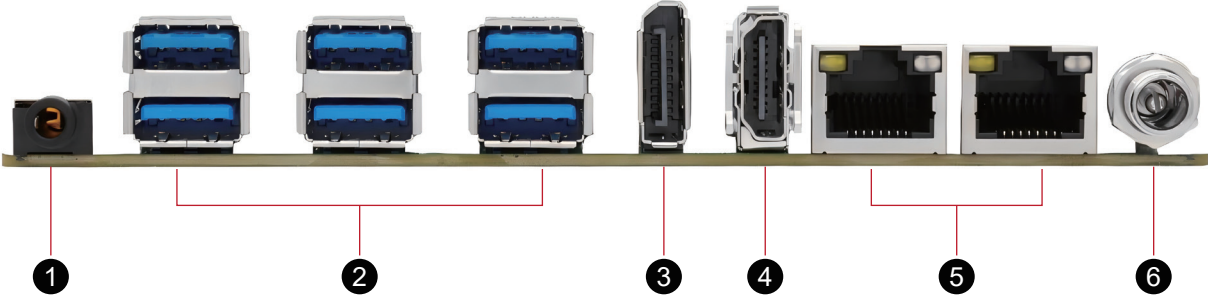
SPECIFICATIONS

General	
CPU	Intel® Alder Lake-P, Core i5-1235U Processor
Memory	1 x DDR4 SO-DIMM (3200 MHz, Non-ECC), up to 32GB
Storage	1 x SATA Gen3 6Gbps, 1 x M.2 (Key-M 2280, PCIe x4 / SATA)
Expansion Interface	1 x M.2 (Key-E 2230, PCIe x1 + USB 2.0, WiFi + Bluetooth) 1 x M.2 (Key-B 2242/3052, PCIe + USB 3.0/2.0, Support 5G/4G) 1 x SIM Card Wafer
BIOS	AMI UEFI BIOS
System	Windows 10/11 64bit, Linux
I/O	
Ethernet	2 x GbE LAN (2 x RJ45, LAN1-2, Intel® GbE)
Serial	6 x COM Wafers (2 x RS232, 3 x RS232/TTL, 1 x RS232/485/TTL)
USB	6 x USB 3.0 Type-A, 2 x Front USB 2.0 Wafers
Audio	Realtek ALC897 HDA Codec, Audio Jack + 1 x Amplifier Wafer
GPIO	1 x 8-bit GPIO Wafer (4 x GPI + 4 x GPO, 3.3V default / 5V optional)
Others	1 x Front Panel, 1 x I2C Touch, 2 x Fan Wafers, 1 x Buzzer, Watchdog, RTC, Clear CMOS, fTPM 2.0
Display	
Display Interface	1 x HDMI Type-A (max 2048x1080@60Hz), 1 x DP++ (max 4096x2304@60Hz) 1 x LVDS/eDP Wafer + Backlight Wafer (LVDS1, VDD=3.3V; Optional: eDP, 5V/12V)
Mechanical & Environment	
Dimension	146 x 105mm (3.5-inch Standard)
Power Input	DC 12V/24V Auto-Detect (Φ2.5mm DC Jack, Optional: 2P Terminal Block)
Temperature	Operation: 0°C~60°C, Storage: -20°C~75°C
Relative Humidity	Operation: 5%~95%, Storage: 5%~95%, Non-condensing

FEATURES

- Supports Intel® Alder Lake-P Core i5-1235U processor (10 Cores, 15W TDP)
- 1 x DDR4 3200 MT/s SO-DIMM, up to 32GB memory
- Triple independent display via 1 x HDMI, 1 x DP++ and 1 x LVDS (Optional: eDP)
- 2 x Gigabit Ethernet (RJ45) ports, 6 x USB 3.0 ports, and 6 x COM ports
- 1 x M.2 Key-M (NVMe/SATA), 1 x M.2 Key-E (Wi-Fi/BT), and 1 x M.2 Key-B (5G/4G) slot

I/O LAYOUT



- 1 1 x Audio combo jack

4 1 x HDMI 2K@60Hz
- 2 6 x USB 3.0 Type-A

5 2 x GbE LAN
- 3 1 x DP++ 4K@60Hz

6 1 x DC-IN 12/24V

PRODUCT DIMENSIONS

unit: mm

