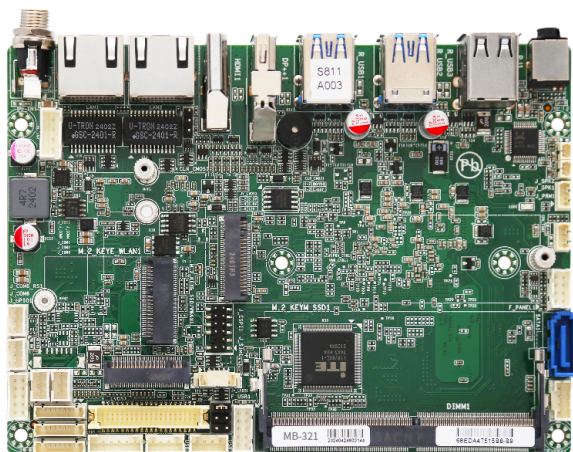




FEATURES

- Intel® Alder Lake-N Series Processor
- 1 x DDR4-3200 SO-DIMM, up to 16GB
- Triple displays: DP++, HDMI 4K and eDP/LVDS
- M.2 2280 M-Key: PCIe X1 NVMe or SATA SSD
- 4 x USB3.2 Gen1 and 5 x USB2.0 ports
- Dual GbE LAN, WiFi and 4G/5G options
- 6 x COM ports (RS232/RS485)

SPECIFICATIONS

General

CPU	Intel® Alder Lake-N N95, 4 E-Cores / 4 Threads, up to 3.40GHz, 15W TDP Intel® Alder Lake-N N97, 4 E-Cores / 4 Threads, up to 3.60GHz, 12W TDP Intel® Alder Lake-N N100, 4 E-Cores / 4 Threads, up to 3.40GHz, 6W TDP
Memory	1 x DDR4 Non-ECC SO-DIMM, 3200MHz, up to 16GB
Storage	1 x M.2 M-Key 2280, PCIe x1 / SATA auto-detect 1 x SATA3.0 6Gbps
BIOS	AMI UEFI BIOS with watchdog timer, TPM 2.0
I/O	
Ethernet	2 x RJ45 GbE LAN, Intel i210-AT + i226-V
Serial	3 x RS232, COM1-3, full signal, DCD 5V / RI 12V by BOM 3 x RS232/TTL, COM4-6, TTL 3.3V/5V optional 1 x RS485, COM6
USB	4 x USB3.2 Gen1 5Gbps, 5 x USB2.0
Audio	Realtek HDA codec, 1 x Line-Out + MIC 2-in-1 jack (CTIA), 2 x 3W amplifier into 4 ohm
GPIO	8 x GPIO, 3.3V TTL (5V optional)
Expansion	1 x M.2 E-Key 2230, PCIe + USB2.0, WiFi + BT 1 x M.2 B-Key 2242/3052, USB3.0 + USB2.0, 5G/4G 1 x SIM card slot
Rear I/O	1 x DC jack (2.5mm barrel), 4 x USB3.0 Type-A, 2 x USB2.0 Type-A, 1 x DP++, 1 x HDMI, 2 x RJ45, 1 x Line-Out + MIC jack

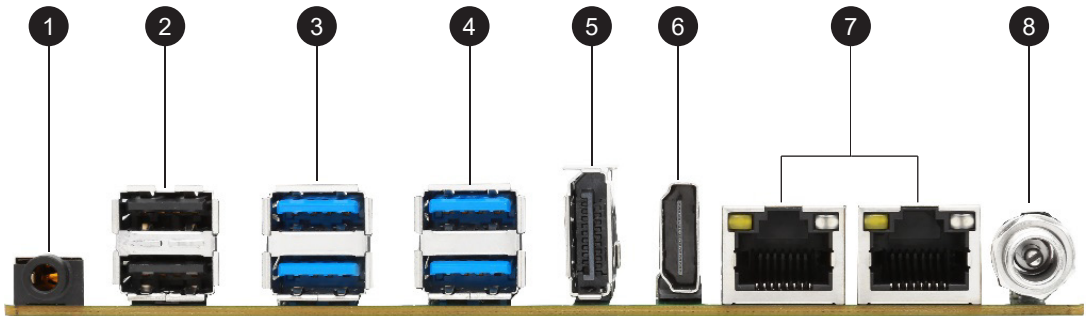
Display

DP	1 x DP++, max 4096x2160@60Hz
HDMI	1 x HDMI, max 4096x2160@30Hz
LVDS/eDP	1 x LVDS, max 1920x1200@60Hz, eDP optional
Multi-Display	Triple independent display
Graphics	Integrated Intel® UHD Graphics, up to 16 EUs @ 1.20GHz

Mechanical & Environment

Dimension	146.0 x 105.1 mm (5.7 x 4.1 in), 3.5-inch form factor
Power Input	DC 12V / 19V / 24V
Temperature	Operation: 0 °C ~ 60 °C, Storage: -20 °C ~ 75 °C
Relative Humidity	Operation: 10%-90%, Storage: 5%-95%, non-condensing

I/O LAYOUT



- | | | | |
|--------------------|---------------------|---------------------|---------------------|
| 1 Audio combo jack | 2 2 x USB2.0 Type-A | 3 2 x USB3.0 Type-A | 4 2 x USB3.0 Type-A |
| 5 1 x DP++ 4K@60Hz | 6 1 x HDMI 4K@30Hz | 7 2 x RJ45 GbE LAN | 8 DC IN 12/19/24V |

PRODUCT DIMENSIONS

