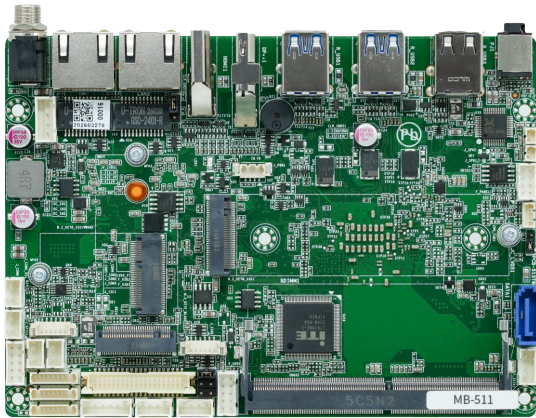




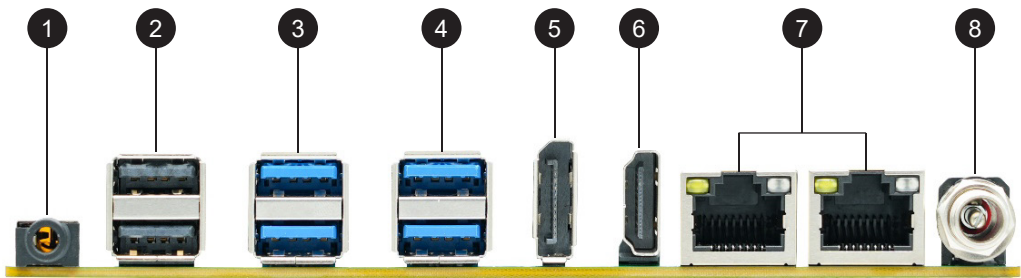
FEATURES

- AMD Ryzen™ Embedded R2314, 4 Cores, 15W TDP
- 1 x DDR4 ECC SO-DIMM, up to 32GB
- Triple displays: DP++, HDMI and eDP/LVDS
- M.2 2280 M-Key: PCIe 4.0 x4 NVMe
- 4 x USB3.2 Gen1 and 6 x USB2.0 ports
- Dual GbE LAN, WiFi and 5G/4G options
- 6 x COM ports (RS232/RS485)

SPECIFICATIONS

General	
CPU	AMD Ryzen™ Embedded R2314, 4 Cores / 4 Threads, 2.1GHz up to 3.5GHz, 15W TDP
Memory	1 x DDR4 ECC SO-DIMM, 2667MT/s, up to 32GB
Storage	1 x M.2 M-Key 2280, PCIe 4.0 x4 NVMe, SATA SSD optional 1 x SATA3.0 6Gbps
BIOS	AMI UEFI BIOS with watchdog timer, fTPM 2.0
I/O	
Ethernet	2 x RJ45 GbE LAN, Intel i226-V + i210-AT
Serial	3 x RS232, COM1-3, full signal, DCD 5V / RI 12V by BOM 3 x RS232, COM4-6, TTL 3.3V/5V optional 1 x RS485, COM6
USB	4 x USB3.2 Gen1 5Gbps, 6 x USB2.0
Audio	Realtek ALC897 HDA codec, 1 x Line-Out + MIC 2-in-1 jack, 2 x 3W amplifier into 4 ohm
GPIO	8 x GPIO (4 GPI + 4 GPO), 3.3V TTL (5V optional)
Expansion	1 x M.2 E-Key 2230, PCIe x1 + USB2.0, WiFi + BT 1 x M.2 B-Key 3052, PCIe x1/USB3.0/USB2.0, 5G/4G/NVMe 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 1920x1080@60Hz
HDMI	1 x HDMI, max 4096x2160@30Hz
LVDS/eDP	1 x LVDS, max 1920x1080@60Hz, eDP 4096x2160@60Hz optional
Multi-Display	Triple independent display
Graphics	Integrated AMD Radeon™ Graphics, 8 Computing Units (CUs)
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: 0~60°C, Storage: -20~75°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++ 1K@60Hz
- 6

1 x HDMI 4K@30Hz
- 7

2 x RJ45 GbE LAN
- 8

DC IN 12/19/24V

PRODUCT DIMENSIONS

