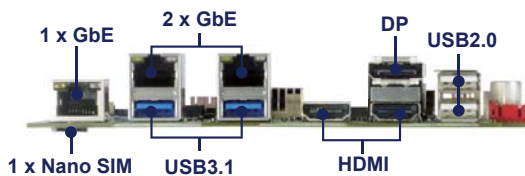
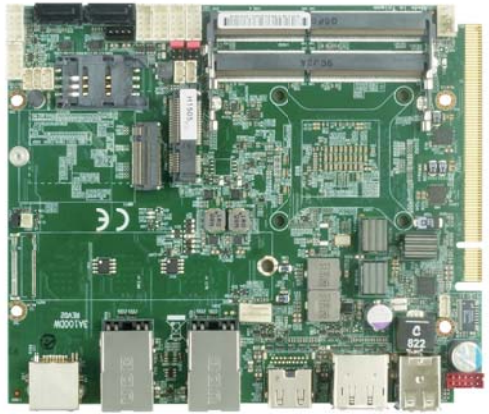


3A100DW-R

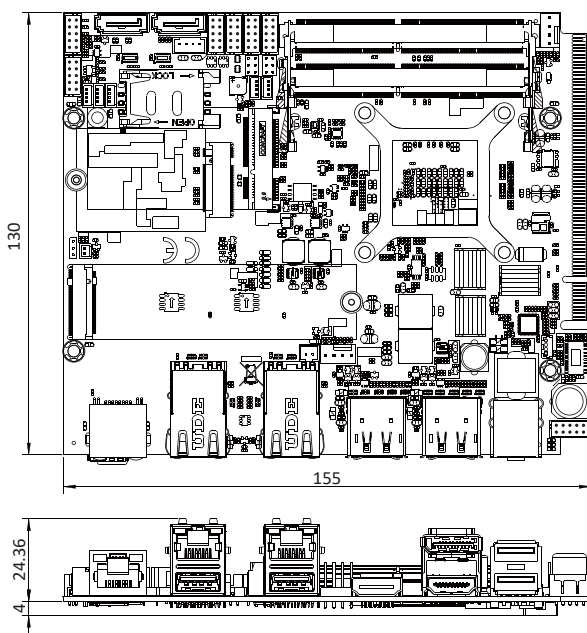
3.5" Plus SBC AMD® Ryzen™ Embedded R1000 Series SoC
With Independent Three 4K Display
2 x HDMI, 1 x DP, 3 x GbE, 7 x USB, 8DI / 8DO,
2 x COM, 1 x Mini PCIe, 2 x SIM, 1 x M.2, 1 x PCIe, SMBus



Features:

- AMD® Ryzen™ Embedded R1000 Series SoC R1505G 2.4 GHz (Dual Core), TDP 12-25 Watt
- 2 x DDR4 SODIMM socket, Max. 32GB
- Multiple Independent display: 2 x HDMI, 1 x DP
- 3 x Intel GbE, 2 x USB 3.1, 5 x USB 2.0, 2 x COM
- 8DI / 8DO, 1 x Mini PCIe, 1 x M.2, 1 x PCIe, 1 x SIM, SMBus
- 1 x Nano SIM, TPM 2.0 (Optional)

Dimensions: (Unit:mm)



Specifications :

- CPU
AMD® Ryzen™ Embedded R1000 Series SoC R1505G 2.4 GHz (Dual Core), TDP 12-25 Watt
- MB Chipset
AMD® Ryzen™ Embedded R1000 Series SoC
- Graphics
AMD Raden™ Vega 8 integrated
- System Memory
2 x DDR4 2400 MHz SODIMM, Max. 32GB
- Storage
1 x M.2 B Key, Type 3042 (mSATA / USB)
1 x mini card socket (mSATA / USB)
2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s), optional to 2 x mSATA
- BIOS
AMI UEFI BIOS
- Display
2 x HDMI, 1 x DP
- TPM
TPM 2.0 (Option)
- LAN
3 x Intel GbE (external)
- Audio (OEM)
High Definition Audio Specification, Support Line-out / Mic-in / Line-in
- Expansion Interface
1 x Full size Mini PCIe (mSATA / USB) + 1 x Nano SIM
1 x PCIe x 16 golden finger (support PCIe x 4 signal only)
1 x M.2 B Key, Type 3042 (mSATA / USB) + 1 x SIM

Expansion Module

PCIe Card via riser Card	2 x USB 3.1, 2 x 10 GbE LAN, 4 x PoE, 4 x GbE
Converter Card	CN066: Mini PCIe to M.2 E key 2230, WiFi 6 + BT
Mini Card	GPS, 3G / 4G, Wi-Fi, 2 / 4 x LAN, 4 x COM, CANBus, SDI / AHD Video
By Cable	Bluetooth, Digital I/O, 2 / 4 PoE, 4 x USB mini card

USB

2 x USB 3.1 (external), 2 x USB 2.0 (external), 3 x USB 2.0 (internal)

USB Expansion

USB to	COM, Mini Card, M.2, Audio board
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Serial IO

2 x RS232 / 422 / 485 (internal)

GPIO

Hardware digital Input & Output, 8 x DI / 8 x DO

SMBus

1 x SMBus

WDT

Hardware Watch Dog Timer, 0~255 sec programmable

Power Input

Wide Range +12V~24V

Dimension

155 x 130 mm

Operation Temperature

-20°C~70°C (100% CPU Usage)

Operation Humidity

5~95%, non-condensing

Chassis (OEM I/O Expansion by request)

Box PC: PALM

OS Support

Windows® 10 IOT (64bit), Ubuntu 18.04.2 above, Fedora 29 above