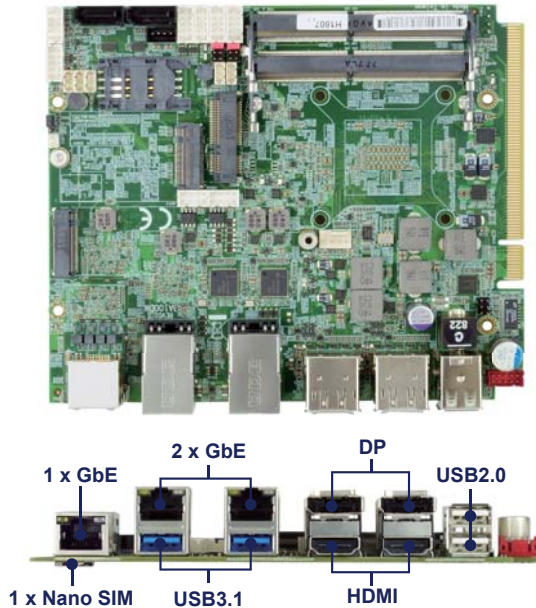


3A100DW-V

3.5" Plus SBC AMD® Ryzen™ Embedded V1000 Series SoC
With Four Independent 4K Display
2 x HDMI, 2 x DP, 3 x GbE, 7 x USB, 8DI / 8DO,
2 x COM, 1 x Mini PCIe, 2 x SIM, 2 x M.2, 1 x PCIe, SMBus

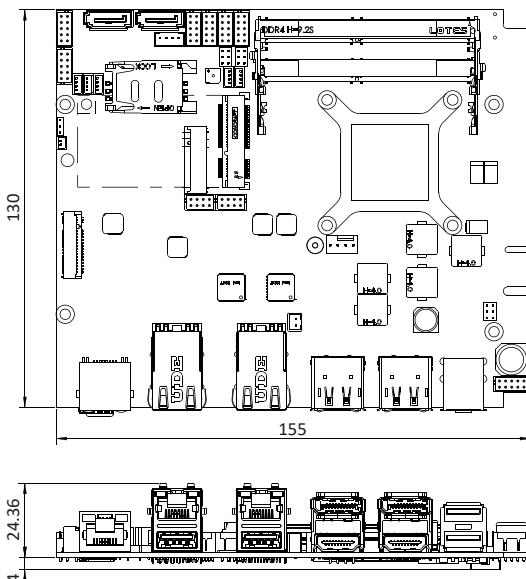


Features:



- AMD® Ryzen™ Embedded V1000 Series SoC
V 1807B 3.35 GHz (Quad Core), TDP 35-54 Watt
V 1404I 2.0 GHz (Quad Core), TDP 12-25 Watt
- 2 x DDR4 SODIMM socket, Max. 32GB
- Multiple Independent display: 2 x HDMI, 2 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, 2 x M.2, 1 x PCIe, 2 x SIM, SMBus
- TPM 2.0 (Optional)

Dimensions: (Unit:mm)



Specifications :



- CPU
AMD® Ryzen™ Embedded V1000 Series SoC
V1807B 3.35 GHz up to 3.8 GHz (Quad Core), TDP 35-54 Watt
V1404I 2.0 GHz up to 3.6 GHz (Quad Core), TDP 12-25 Watt
- MB Chipset
AMD® Ryzen™ Embedded V1000 Series SoC
- Graphics
AMD Raden™ Vega 8 integrated
- System Memory
2 x DDR4 2400 MHz SODIMM, Max. 32GB
(V1807B CPU supports single bank 3200 MHz memory)
- Storage
1 x M.2 M Key, Type 2280 (PCIe x 4), Support NVMe
1 x M.2 B Key, Type 3042 (PCIe / mSATA / USB)
1 x mini card socket (PCIe / 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, 2 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 (PCIe / mSATA / USB) + 1 x Nano SIM
1 x PCIe x 16 Golden finger (support PCIe x 4 signal only)
1 x M.2 M Key, Type 2280 (PCIe x 4), Support NVMe
1 x M.2 B Key, Type 3042 (PCIe / 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)
*COM1, COM2 pin9 5V / 12V selectable by jumper
- 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