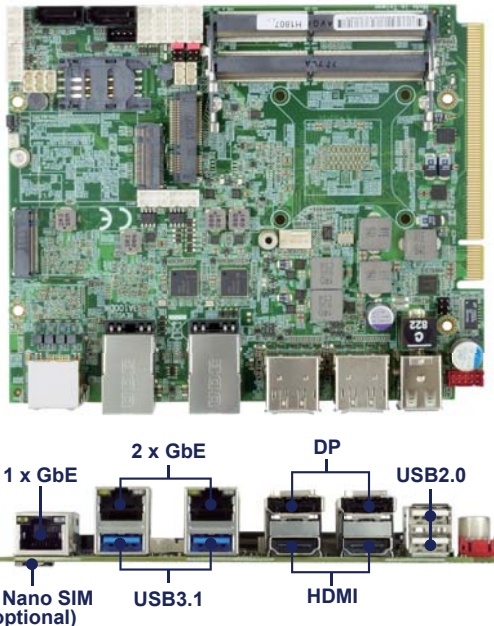


3A100DW

3.5" 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



Specifications :

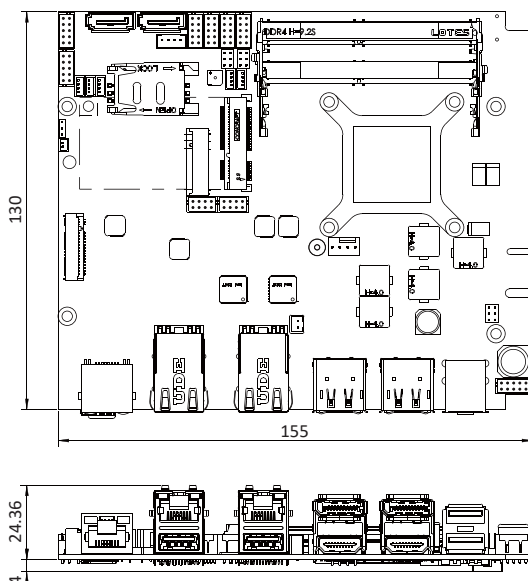
- **CPU**
 - AMD® Ryzen™ Embedded V1000 Series SoC
 - V1807B 3.35 GHz up to 3.8 GHz (Quad Core), TDP 35-54 Watt
 - V1605B 2.0 GHz up to 3.6 GHz (Quad Core), TDP 12-25 Watt
- **MB Chipset**
 - AMD® Ryzen™ Embedded V1000 Series SoC
- **Graphics**
 - AMD Raden™ Vega 8 integrated
- **System Memory**
 - 2 x DDR4 3200 / 2400 MHz SODIMM, Max. 32GB
- **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 I210IT (external)
- **Audio**
 - 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 (optional)
 - 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

Features:



- AMD® Ryzen™ Embedded V1000 Series SoC
 - V 1807B 3.35 GHz (Quad Core), TDP 35-54 Watt
 - V 1605B 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
- TPM 2.0 (Optional)

Dimensions: (Unit:mm)



Expansion Module

PCIe Card via Backplanes: 2 x USB 3.1, 2 x 10 GbE LAN, 4 x PoE, 4 x GbE

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)
- **Serial IO**
 - 2 x RS232 / 422 / 485 (internal)
- **GPIO**
 - Hardware digital Input & Output, 8 x DI / 8 x DO
- **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: SKY3, Apollo
- **OS Support**
 - Windows® 10 IOT (64bit), Ubuntu 18.04.2 above, Fedora 29 above