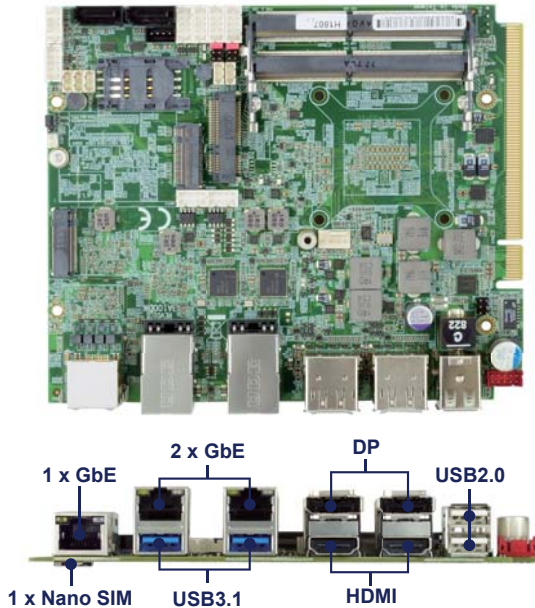


3A100DW-V

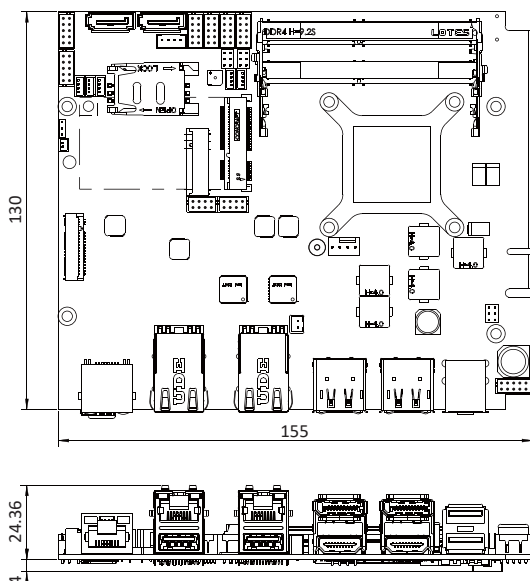
3.5" SBC AMD® Ryzen™ Embedded V1000 Series SoC
 With Four Independent 4K Display
 2 x HDMI, 2 x DP, 3 x GbE, 7 x USB, 8DI / 8DO,
 2 x COM, 1 x Mini PCIe, 2 x SIM, 2 x M.2, 1 x PCIe



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)



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 2400 MHz SODIMM, Max. 32GB
 (V1878B 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 I210IT (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 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: PALM
- OS Support

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