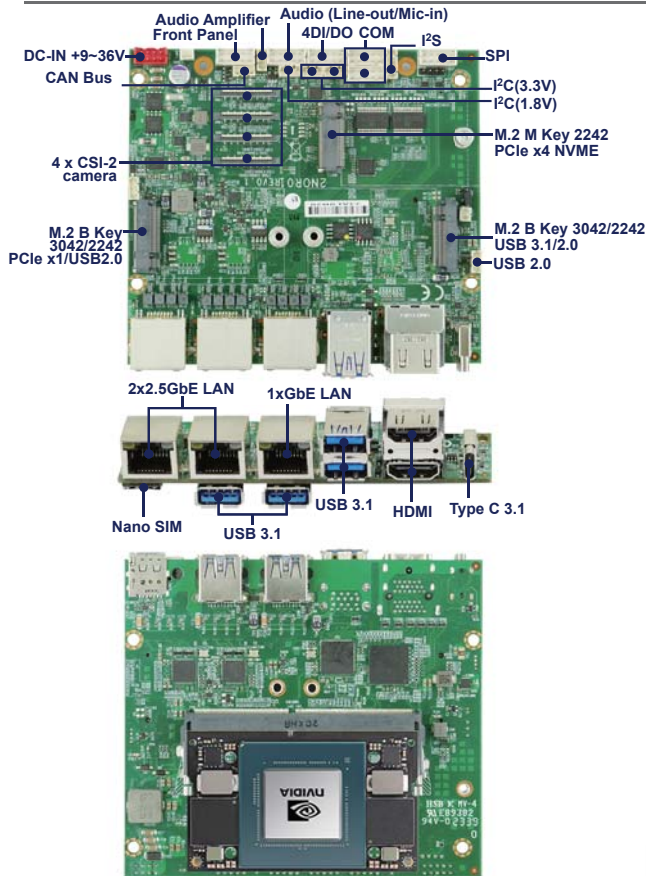


2NOR01

Carrier Board for NVIDIA® Jetson Orin™ Nano / NX SoM



Specifications :

- CPU
 - 8-core Arm® Cortex®-A78AE 2.0 Ghz
 - 6-core Arm® Cortex®-A78AE 1.5 Ghz
- GPU
 - 1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
 - 512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores
- AI Accelerator
 - NVIDIA Jetson Orin NX: 70 / 100 TOPs
 - NVIDIA Jetson Orin Nano: 20 / 40 TOPs
- System Memory
 - Jetson Orin NX: LPDDR5, 8 / 16GB
 - Jetson Orin Nano: LPDDR5, 4 / 8GB
- Storage
 - 1 x M.2 M key Type 2242 (PCIe x 4), NVMe
- Display
 - 2 x HDMI
- LAN
 - 2 x Intel 2.5 GbE I226IT ; 1 x GbE
- Audio
 - High Definition Audio Specification, Support Line-out / Mic-in
 - Two channel Class D Audio Amplifier 2W
- Expansion Interface
 - 1 x M.2 M key Type 2242 (PCIe x 4), NVMe
 - 1 x M.2 B key Type 3042 (PCIe x 1 / USB 2.0) ; WiFi / Bluetooth or PCIe
 - 1 x M.2 B key Type 3042 (USB 3.1 / 2.0) ; 4G / 5G, GPS or USB Device
 - 1 x SIM

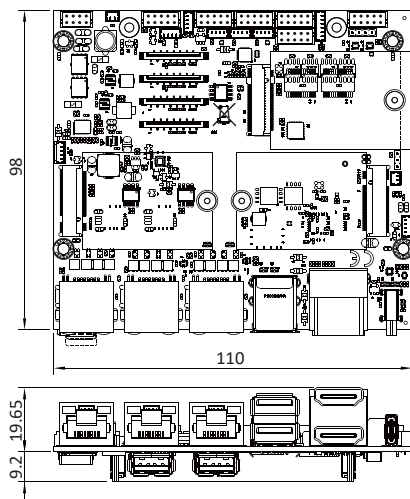
Features:

CPU Board:

- NVIDIA Jetson Nano: 4 / 8GB LPDDR5, 20 / 40 TOPs
 - NVIDIA Jetson NX: 8 / 16GB LPDDR5, 70 / 100 TOPs
 - AI Accelerator: NVIDIA® Jetson Orin™ Nano / Orin™ NX
-
- 2 x HDMI 2 x 2.5GbE, 1 x GbE
 - 4 x USB 3.1, 1 x Type C USB 3.1 / 2.0 (OTG), 1 x USB 2.0
 - Mic-in / Line-out ; AMP 2W
 - 2 x RS232 (Option RS422 / 485), 1 x CANBus
 - 1 x M.2 M key 2 x M.2 B key, 1 x SIM, 4DI / 4DO
 - 4 x MIPI CSI-2 camera, Internal wafer: SPI, I2S, I2C, USB 2.0



Dimensions: (Unit:mm)



Expansion Options

NF212A	M.2 B + M Key 2242 PCIe to GbE LAN
NF212B	M.2 B + M Key 3042 PCIe to Dual GbE LAN
NF212C	M.2 B + M Key 2280 PCIe to Quad GbE LAN (Option)
PW353	4 port PoE Out (RJ45)
PW354	4 port PoE Out (M12)
NF226A	M.2 B + M Key 2242 PCIe to 2.5G LAN
NF226B	M.2 B + M Key 3042 PCIe to Dual 2.5G LAN
NF226C	M.2 B + M Key 2280 PCIe to Quad 2.5G LAN (Option)

- USB
 - 4 x USB 3.1 (external) ; 1 x USB 2.0 (internal)
 - 1 x USB 3.1 / 2.0 (Type C, OTG)
- Serial IO
 - 2 x RS232 (Option RS422 / 485)
 - 1 x CANBus
- SPI, I2C
 - SPI, I2S, I2C
- Camera interface
 - 4 x MIPI CSI-2 camera
- GPIO
 - Hardware digital Input & Output, 4 x DI / 4 x DO
- Power Input
 - Wide Range +9~36V
- Dimension
 - 2.5" Plus (110 x 98 mm)
- Operation Temperature (100% CPU Usage)
 - 25°C~60°C (100% CPU Usage, not-underclocking)
- Operation Humidity
 - 5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
 - SKY 2, PALM
- OS Support
 - Linux