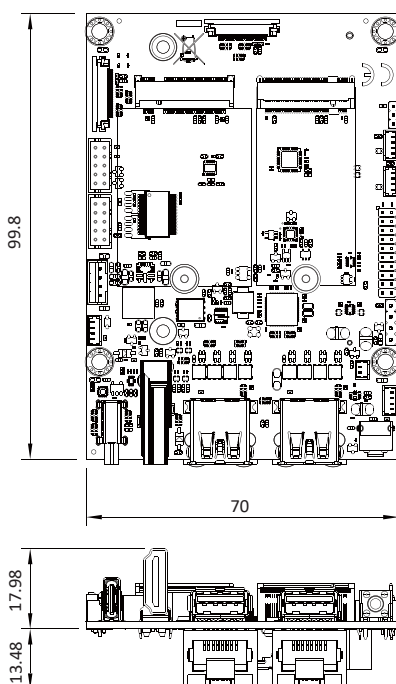


# 2NOR03

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



## ■ Dimensions: (Unit:mm)



## ■ CPU Board:

- NVIDIA Jetson Nano (Super): 4 / 8GB LPDDR5, 40 TOPs  
NVIDIA Jetson NX: 8 / 16GB LPDDR5, 70 / 100 TOPs
- AI Accelerator: NVIDIA® Jetson Orin™ Nano / Orin™ NX

- 1 x HDMI®, 1 x GbE, 1 x 2.5GbE
- 2 x USB 3.1, 1 x Type C USB 3.1 / 2.0 (OTG)
- 1 x RS232 (OEM Option RS422)
- 1 x M.2 M key, 1 x M.2 B key
- Internal wafer: 2 x MIPI CSI, URAT, 2 x I2C

## ■ 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 (Super): 20 / 40 TOPs
- System Memory
  - Jetson Orin NX: LPDDR5, 8/16 GB
  - Jetson Orin Nano(Super): LPDDR5, 4/8 GB
- Storage
  - 1 x M.2 M key Type 2242 (PCIe x 4), NVMe
- Display
  - 1 x HDMI®
- LAN
  - 1 x GbE
  - 1 x Intel 2.5GbE (I226-IT)
- Expansion Interface
  - 1 x M.2 M key Type 2242 (PCIe x 4), NVMe
  - 1 x M.2 B key Type 2242 / 3042 (PCIe x 2)
- USB
  - 2 x USB 3.1 (Type A, external) ;
  - 1 x USB 3.1 / 2.0 (Type C, OTG)
- Serial IO
  - 1 x RS232 (OEM Option RS422)
- URAT, I2C, I2S
  - 1 x URAT ;
  - 2 x I2C
- Camera interface
  - 2 x MIPI CSI
- Power Input
  - DC-IN +9V~24V
- Dimension
  - 70 x 99.8 mm ; Weight: 60g
- Operation Temperature
  - 25°C~60°C (100 % CPU Usage)
- Operation Humidity
  - 5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
  - Box PC: PALM
- OS Support
  - JetPack 6.2 Ubuntu 22.04.05

Specification are subject to change without prior notice. ODM / OEM is available.