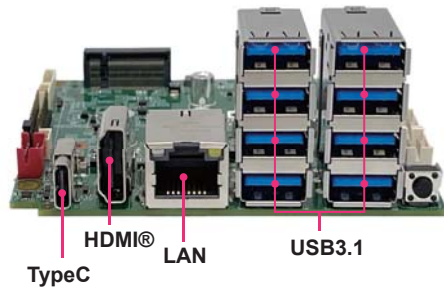
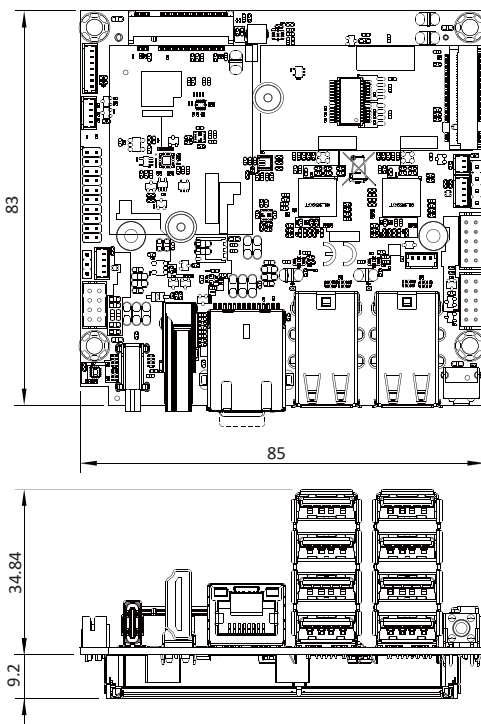


# 2NOR02

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



## ■ Dimensions: (Unit:mm)



## ■ CPU Board:

- NVIDIA Jetson Nano(Super): 4 / 8GB LPDDR5, 20 / 40 TOPs  
NVIDIA Jetson NX: 8 / 16GB LPDDR5, 70 / 100 TOPs
- AI Accelerator: NVIDIA® Jetson Orin™ Nano (Super) / Orin™ NX

- 1 x HDMI®, 1 x GbE
- 8 x USB 3.1, 1 x Type C USB 3.1 / 2.0 (OTG), 1 x USB 2.0
- 1 x RS232 (OEM to RS422)
- 1 x M.2 M key, 1 x M.2 B key, 1 x Nano SIM (OEM)
- URAT, I2S, 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 / 16GB
  - Jetson Orin Nano(Super): LPDDR5, 4 / 8GB
- Storage
  - 1 x M.2 M key Type 2242 (PCIe x 4), NVMe
- Display
  - 1 x HDMI®
- LAN
  - 1 x GbE (RJ45)
- Expansion Interface
  - 1 x M.2 M key Type 2242 (PCIe x 4), NVMe
  - 1 x M.2 B key Type 3042 (PCIe x 2 / USB 2.0) (OEM To USB3.1 / 2.0) ;
  - 1 x Nano SIM (OEM)
- USB
  - 8 x USB 3.1 Type A(external) ;
  - 1 x Type C USB 3.1 / 2.0 (OTG)
  - 1 x USB 2.0 (internal)
- Serial IO
  - 1 x RS232 (OEM Option RS422)
- URAT, I2C, I2S
  - 1 x URAT (internal)
  - 2 x I2C (internal)
  - 1 x I2S (internal)
- Power Input
  - DC-IN +9V~24V
- Dimension
  - 85 x 83 mm ; Weight: 80g
- Operation Temperature
  - 25°C~60°C (100 % CPU Usage)
- Operation Humidity
  - 5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
  - Box PC: FOX
- OS Support
  - JetPack 6.2 Ubuntu 22.04.05

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