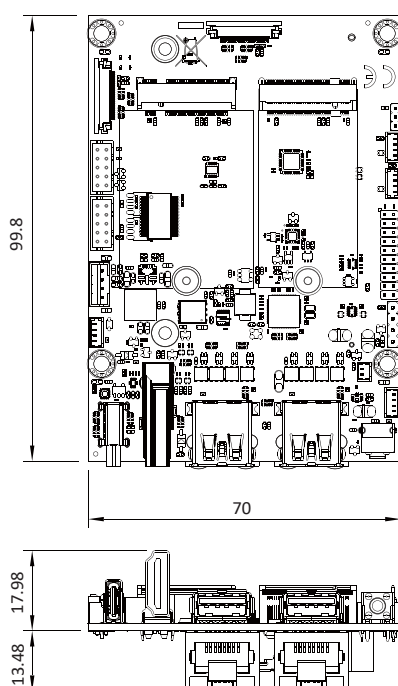


2NOR03

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 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

■ 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

- Linux

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