

ID



Features



- Name Card (nc) serial product
- For AI Edge computing design
- Fanless design
- Nvidia Jetson Orin Nano
- Linux OS with BSP (Board Support Package)
- Support Deep Learning trained models
- Wide operation temperature

Introduction

AIM-Edge ncon is the fastest, most power-efficient embedded AI computing device. It is an ARM-based system that integrates the NVIDIA® Jetson™ Orin Nano system-level module processor and provide up to 40/20 trillion operations per second (TOPS).

The system features 8GB/4GB LPDDR5 memory, 4K/FHD video decoding/encoding, 2 RJ45 and M.2 SSD extensions. Designed for brings true AI computing at the edge applications, it supports rich I/O with low power consumption. Wall-mounted brackets and fanless design make it easy to install in harsh environments.

Specification

| | | |
|-------------------|--------------------|--|
| Processor | CPU | NVIDIA Jetson Orin Nano |
| | Memory | 8GB/4GB LPDDR5 |
| | eMMC | External NVMe via x4 PCIe |
| Wireless | 4G LTE | None |
| | WLAN | None |
| | BT | None |
| Ethernet | RJ45 | 1 x 10/100 Ethernet |
| Camera | RJ45 | 1 x Gigabit Ethernet |
| I/O | I/O | 1 x USB 2.0 OTG Micro-AB 1 x USB 3.0 Type A 1 x Micro HDMI 1 x PWM (0-10V) 2 x GPIO (DO) |
| | Button/Key | 1 x Reset button 1 x Recovery button 1 x Power button |
| Expansion | Storage | 1 x PCIe M.2 SSD (128GB) |
| Environmen | Temperature | Operation: -20 ~ 60°C |
| Mechanical | Dimension | 90(W) x 118(D) x 69(H) mm |
| | Weight | TBD |
| OS | Linux | Linux 5.1/ Ubuntu 20.04 |
| Power | Input | 1 x DC-In 19V adaptor |