

ID



Features



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

Introduction

AIM-Edge ncox is the fastest, most power-efficient embedded AI computing device. It is an ARM-based system that integrates the NVIDIA® Jetson™ Orin NX system-level module processor and provide up to 100/70 trillion operations per second (TOPS).

The system features 16GB/8GB LPDDR5 memory, 8K/4K 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 NX
	Memory	16GB/8GB 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 (256GB)
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