

ID



Features



- High End (he) serial product
- For AI Edge computing design
- Fanless design
- Nvidia Jetson AGX Orin
- Linux OS with BSP (Board Support Package)
- Support Deep Learning trained models
- Wide operation temperature

Introduction

AIM-Edge heoa is the fastest, most power-efficient embedded AI computing device. It is an ARM-based system that integrates the NVIDIA® Jetson™ AGX Orin system-level module processor and provide up to 275/200 trillion operations per second (TOPS).

The system features 64GB/32GB LPDDR5 memory, 4K video decoding/encoding, 5 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 AGX Orin
	Memory	64GB/32GB LPDDR5
	eMMC	64GB eMMC 5.1
Ethernet/ Camera	RJ45	1x GbE LAN Non-POE / 4x GbE LAN POE+ M12 Interface
I/O	I/O	1 x USB 3.2 Type-C + DP 2 x USB 2.0 Serial Ports + Isolated DO (1x isolated RS-485, 1 x RS-232) 2x isolated CAN 2.0 + Isolated DI
	EXPANSION	1 x M.2 PCIe Slot B-key (for LTE/5G) 1 x M.2 PCIe Slot M-Key (for NVMe SSD) 1 x Mini PCIe Slot (USB 2.0 + PCIe x1) 1 x Mini PCIe Slot (USB 2.0)
Indicator	LED	Power LED
Environment	Temperature	Operation: -25 ~ 60°C
Mechanical	Dimension	225 mm (W) x 195 mm (D) x 89 mm (H)
	Weight	TBD
OS	Linux	Linux 5.10/ Ubuntu 20.04
Power	Input	18V to 36V DC input with Ignition Control