

ID



Features



- All In One (aio) serial product
- For AI Edge computing design
 - Nvidia Jetson TX2/ Xavier NX/ Orin NX
 - Linux OS with BSP (Board Support Package)
 - Support Deep Learning trained models
- Wide operation temperature
- 4G/5G Telecom for Dual SIM Support
- Quick installation dock
- Fanless design

Introduction

AIM-Edge aioox 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

Model		AIM-Edge aioh3	AIM-Edge aiox1	AIM-Edge aioox
Processor	CPU	NVIDIA Jetson Tegra X2	NVIDIA Jetson Xavier NX	NVIDIA Jetson Orin NX
	Memory	8GB LPDDR4	8GB LPDDR4	16GB/8GB LPDDR5
	eMMC	32GB eMMC	16GB eMMC	External NVMe via x4 PCIe
Wireless	4G LTE/5G	Yes by Router		
Ethernet	RJ45	1 x GigaBit Ethernet	1 x GigaBit Ethernet	1 x GigaBit Ethernet
Camera	RJ45/POE	2 x 802.3af (PSE Max 15.4W Out)	3 x GigaBit Ethernet 802.3at	6 x GigaBit Ethernet 802.3at
I/O	I/O	1 x USB 2.0 OTG Micro-AB	1 x USB 2.0 Micro-B	1 x USB 2.0 Micro-B
		4 x USB 3.0 Type-A	1 x USB 3.0 Type A	1 x USB 3.0 Type A
		1 x HDMI	1 x Micro HDMI	1 x Micro HDMI
		1 x RS232 pin header	1 x PWM (0-10V)	1 x PWM (0-10V)
		12 x GPIO (DI x 6 /DO x 6)	2 x GPIO (DO)	2 x GPIO (DO)
	POE Switch	N/A	1 x 8 port POE Switch	1 x 8 port POE Switch
	Switch Power	N/A	120W 12V/ 120W 48V	120W 12V/ 240W 48V
	Button/Key	1 x Reset button	1 x Reset button	1 x Reset button
		1 x Recovery button	1 x Recovery button	1 x Recovery button
		1 x Power button	1 x Power button	1 x Power button
Expansion	Storage	1 x mSATA Slot (2.5" SSD 1TB)	1 x PCIE M.2 SSD (256GB)	1 x PCIE M.2 SSD (256GB)
Enviornment	Temperature	Operation: -20 ~ 60°C		
Mechanical	Dimension	600 x 478 x 188 mm		
	Weight	19.5kg		
OS	Linux	Linux 4.9/ Ubuntu 18.04	Linux 4.9/ Ubuntu 18.04	Linux 5.1/ Ubuntu 20.04
Power Protection		Molded Case Circuit Breaker / Earth Leakage Circuit Breaker		
Power	Input	1 x AC 110~220V		