

AIB-NINX-S

Compact & Fan-less Edge AI Platform



Product Features

- Up to 100 TOPS AI Performance
- Fanless Design
- RS232 / RS485 / I2C
- 3×M2 M Key, Gen 4×4 / Gen 4×2 / Gen 4×1
- 4×USB3.2 Gen2

Specification

System Information

System Memory	NVIDIA® Jetson Orin™ NX 8GB 8GB LPDDR5/ NVIDIA® Jetson Orin™ NX 16GB 16GB LPDDR5
Processor	NVIDIA® Jetson Orin™ NX 8GB 6-Core Arm® Cortex®-A78AE v8.2 64-Bit CPU 1.5MB L2 + 4MB L3/ NVIDIA® Jetson Orin™ NX 16GB 8-Core Arm® Cortex®-A78AE v8.2 64-Bit CPU 2MB L2 + 4MB L3
GPU	1024-Core NVIDIA Ampere Architecture GPU with 32 Tensor Cores

AI Performance

AI Performance	NVIDIA® Jetson Orin™ NX 8GB 70 TOPS/ NVIDIA® Jetson Orin™ NX 16GB 100 TOPS
-----------------------	---

Expansion

M.2	M.2 1×M.2 2280/3080 M Key PCIe Gen4×4 Slot 1×M.2 2280 M Key PCIe Gen4×2 Slot 1×M.2 2280 M Key PCIe Gen4×1 Slot
------------	---

Storage

Storage Supports External NVMe

External I/O connector

Network 1×RJ45 for 10/100/1000Mbps Ethernet
DHCP Client

Display 2×HDMI2.0

Mechanical & Environmental

Power Requirement DC 9~36V

Optional Product Features Extension by Daughter Board

SDK / Software By request

NX 5G 5G Mobility Network (Supports 5G / 4G / 3G SIM Module)

NX OOB MK.2 **Out-Of-Band Management Functions:
Allxon swiftDR for Power Cycling:
Edge Device Force Shutdown
Edge Device Power Switch ON/OFF
Edge Device Power ON/OFF Detection
Edge Device Reset
Extension I/O:
1x USB 2.0
1×I2C
1×UART
2×GPIO
*Out-Of-Band Management Network Interface:
Ethernet: 1-port 10/100 Mbps RJ45 Port
Wireless: Support 4G LTE Module with SIM Card Slot & Wi-Fi USB Dongle
"

NX PSE **IP Camera
4×RJ45 for 10 / 100 / 1000Mbps Ethernet with IEEE802.3af Compliant
*PSE Power Supply
4×15W (IEEE802.3af)"