

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

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
1xI2C
1xUART
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)"