

AIB-NINX-S

Compact & Fan-less Edge AI Platform



Product Features

- Up to 100 TOPS AI Performance
- Fanless Design
- RS232 / RS485 / I2C
- 3xM2 M Key, Gen 4x4 / Gen 4x2 / Gen 4x1
- 4xUSB3.2 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
1xM.2 2280/3080 M Key PCIe Gen4x4 Slot
1xM.2 2280 M Key PCIe Gen4x2 Slot
1xM.2 2280 M Key PCIe Gen4x1 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
 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)"

Assured Systems

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