

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
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External I/O connector

Network	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
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Display	2×HDMI2.0
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Optional Product Features Extension by Daughter Board

SDK / Software	By request
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NX 5G	5G Mobility Network (Supports 5G / 4G / 3G SIM Module)
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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 "
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NX PSE	**IP Camera 4×RJ45 for 10 / 100 / 1000Mbps Ethernet with IEEE802.3af Compliant *PSE Power Supply 4×15W (IEEE802.3af)"
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