

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
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)"

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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