

# AIB-NVAO

AI box pc NVIDIA AGX Orin 275 TOPS / 8 x GMSL2 / mini PCIE slot and M.2 2280 slot



## Product Features

- Jetson AGX Orin 32GB Jetson AGX Orin 64GB
- 64GB eMMC 5.1
- CE, FCC Class B
- 32GM/64GB LPDDR5
- Operating Temp. -25°C ~ 70°C (-13°F ~ 158°F)

## Specification

### System Information

<b>System Memory</b>	32GM/64GB LPDDR5
<b>Processor</b>	Jetson AGX Orin 32GB / Jetson AGX Orin 64GB

### AI Performance

<b>AI Performance</b>	64GB:275 TOPS 32GB:200TOPS
-----------------------	-------------------------------

### Expansion

<b>Expansion</b>	1 x M.2 M Key (PCIe x 4, 2280) 1 x mPCIE (for 4G or WIFI expansion) 1 x Nano SIM Slot
------------------	---

### Storage

<b>Storage</b>	64GB eMMC 5.1
----------------	---------------

### Development Environment

<b>OS</b>	Linux
-----------	-------

**Certification**

**Certification Information** CE, FCC Class B

**External I/O connector**

**USB** 2 x USB3.0 (typeA)

**COM** 5 x CAN FD  
8 x GPIO (4x In, 4xOut)  
3 x RS232  
2 x RS485/422  
1 x Debug (RS232)  
3 x SYNC I/O (SYNC\_IN/SYNC\_OUT/SYNC\_PPS)

**Network** 4 x 10/100/1000 RJ45 Powered LAN

**Display** 1 x HDMI 2.0 (typeA)

**Function key** 1x Power KEY, 1x Reset KEY, 1x Recovery KEY

**User Expansion** 1 x mPCIe (for 4G or WIFI expansion)  
1 x M.2 M Key (PCIe x 4, 2280)  
1 x Nano SIM slot

**Camera** 2 x GMSL2 (4 in 1 mini PAKRA type, IOV, transmission distance up to 15 meters, GMSL2 compatible with GMSL1)

**Mechanical & Environmental**

**Power Requirement** DC 9V~36V

**Dimension (W x L x H)** 276 x214 x71 mm (I/O ports and mounting holes included)

**Operating Temp.** -25°C ~ 70°C (-13°F ~ 158°F)

**Storage Temp.** -40°C ~ 80°C (-40°F ~ 176°F)

**Ordering Information**

**Ordering Information** TBD

## 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.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660