

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

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

AI Performance

AI Performance	64GB:275 TOPS 32GB:200TOPS
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Expansion

Expansion	1 x M.2 M Key (PCIe x 4, 2280) 1 x mPCIE (for 4G or WIFI expansion) 1 x Nano SIM Slot
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Storage

Storage	64GB eMMC 5.1
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Development Environment

OS	Linux
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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

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