

NVIDIA Jetson Product Introduction

IoT Product Dept. 2024 Feb.

Empowering a
SMART FUTURE



Product Matrix



POSITIONING

AUTONOMOUS MACHINE

MAINSTREAM INDUSTRIAL

ENTRY INDUSTRIAL

Available for Q2 2024



AIB-NVAO

JETSON AGX Orin
200/275 TOPS (INT8)

Available for Q2 2024



AIB-NIAO

JETSON AGX Orin
200/275 TOPS (INT8)

Available Now



AIB-NW01

JETSON Orin NX
70/100 TOPS (INT8)

Available Now



AIB-NW01

JETSON Orin Nano
20/40 TOPS (INT8)

20 TOPS

100 TOPS

275 TOPS

TOPS

Product Positioning



AI Box

AI Supported Box
PC with Nvidia
Jetson

Lifecycle

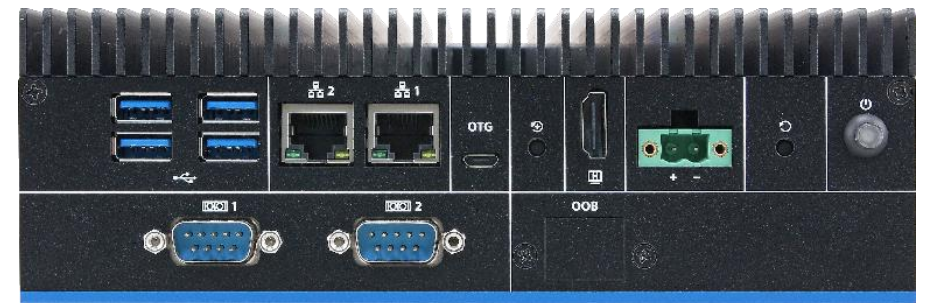
AUTONOMOUS MACHINES	MAINSTREAM INDUSTRIAL	ENTRY INDUSTRIAL
AIB NV series	AIB NI and AIB NW series	
<p>AIB-NVAO</p> <ul style="list-style-type: none"> Up to 200/275 TOPS (INT8) of AI performance 8-channel GMSL2 automotive -grade camera access 5-channel CAN FD interfaces IP65 high level protection Data fusion of multiple sensors and clock synchronization in microsecond level Various and stable automotive-grade interfaces Working in wide temperature range (-25°C ~70°C) Working in wide voltage range (9V-36VDC) 	<p>AIB-NIAO</p> <ul style="list-style-type: none"> Up to 200/275 TOPS (INT8) of AI performance IP5X level protection Data fusion of multiple sensors and clock synchronization in microsecond level Working in wide temperature range A variety of I/O ports and expansion interfaces 	<p>AIB-NW01 Orin Nano</p> <ul style="list-style-type: none"> Up to 20/40TOPS (INT8) of AI performance Industrial grade shock resistance and anti-static High computing performance and compact volume Independent Gigabit port
	<p>AIB-NW01 Orin NX</p> <ul style="list-style-type: none"> Up to 70/100 TOPS (INT8) of AI performance High vibration resistance level Working in wide temperature range A variety of I/O ports and expansion interfaces 	

Jetson AGX Orin/Orin NX/Orin Nano to **January 2030**



Nvidia Jetson Orin NX/ Orin Nano Industrial AI at the Edge

- Nvidia Jetson **Orin Nano 4GB/8GB**
- AI Performance: **20 TOPS/40 TOPS**
- Nvidia Jetson **Orin NX 8GB/16GB**
- AI Performance: **70 TOPS/100 TOPS**
- **Wide operating temperature -15°C ~60°C**
- **Wide voltage range 10-24Vdc**
- 2x independent Gigabit Ethernet Port
- 4x USB3.0, 1x Micro USB OTG, 2xRS232/RS485
- 3x M.2 slot (NVMesSD, 5G, WIFI/BT Module), 1x Micro SIM slot
- 4x 5G LTE Antenna (Optional), 2x WiFi Antenna (Optional)
- Dimension: 196mmx66mmx125mm



Rich I/O
More Storage
Expansion



Wide-DC
Input



Wide Temp.
-20~-60°C



JetPack
Ubuntu



Fan-less
Design



Compact Size



Nvidia Jetson AGX Orin Industrial and Vehicle

COMING
SOON

Available in 2024.Q2



AIB-NIAO

- NVIDIA Jetson **AGX Orin 32GB/64GB**
- AI Performance: **200 TOPS/ 275 TOPS**
- **IP5X protection**
- High shock resistance 3Grams,10Hz~500Hz

- **Wide voltage range 12-48Vdc**
- **Wide operating temperature -20~-60°C**
- **Sync I/O: Sync In, Sync Out, Sync PPS**
- 1x HDMI 2.0
- **4x Gigabit Ethernet Port**
- **4x USB3.0, 1x USB2.0 , 6xRS232/RS485/Debug**
- 1x Micro SD slot, 2x mPCIe for WIFI/4G, 4x Nano SIM slot, 2x M.2 Key for 2280 SIZE NVME SSD/ 5G



Rich I/O
USB/COM



Wide-DC
Input



Time Sensitive
Networking



Wide Temp.
-20~-60°C



JetPack
Ubuntu



Nvidia Jetson AGX Orin Autonomous Vehicle



Available in 2024.Q2



AIB-NVAO

- NVIDIA Jetson **AGX Orin 32GB/64GB**
- AI Performance: **200 TOPS/ 275 TOPS**
- 8x channel **GMSL2**
- 5x **CAN FD**
- **IP65/IP66 (optional)**

- Sync I/O: Sync In, Sync Out, Sync PPS
- Wide operating temperature **-25~-70°C**
- 1x HDMI 2.0
- 4x Gigabit Ethernet Port
- 2x USB3.0, 6xRS232/RS485/Debug
- 1x mPCIe for WIFI/4G, 1x M.2 M key (2280,PCIe x4) , 1x Nano SIM slot



GMSL2
Automotive-grade Camera
access



5 CAN FD



Time Sensitive
Networking



JetPack
Ubuntu



Wide Temp.
-25~-70°C