



AIB-NW01

Edge AI System with Nvidia Jetson Orin NX/Orin Nano module

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- > Compatible with NVIDIA® Orin NX & Orin Nano
- > High AI computing performance for GPU-accelerate processing
- > Ideal for intelligent edge applications
- > Support M.2 2242/2280 NVMe SSD
- > Support M.2 3042/3052 5G module
- > Support M.2 2230 WIF/BT module
- > 4 x USB3.1 Type A / 2 x Gigabit LAN / 2 x COM / 1 ;
- > Support wide temperature environment

+ Spec

-System Information-

Processor	NVIDIA ARM Cortex-A78AE v8.2 64-bit CPU, NVIDIA Ampere architecture with 1024/512 cores and 32 Tensor cores GPU,
System Memory	NX 16GB / NX 8GB / Nano 8GB / Nano 4GB 128-bit LPDDR5
Watchdog Timer	Built-in Nvidia Orin Module

-Storage-

M.2	128GB M.2 2280 NVMe SSD
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-Rear I/O-

USB Port	4 x USB3.1 Type A
COM Port	2 x COM (switch by Jumper to RS-232 or RS485)
HDMI	1 x HDMI Type A
RJ-45	2 x 10/100/1000 Mbps Ethernet
Power Button	1 x Power button w/LED Indicator
Reset Button	1 x Reset button
Antenna	4 x Antenna hole reserve for Wireless module (Optional)

-Power Requirement-

DC Input Voltage	10VDC~24VDC
DC Input Connector	Terminal Block 2 pin
Power Mode	AT mode

-Certification-

Certification Information	CE, FCC Class A
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Expansion

M.2	M.2 E-key socket*1 for 2230 WIF/BT module; M.2 B-key socket*1 for 3042/3052 5G module
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Mechanical & Environmental

Operating Temperature	-20°C ~ 60°C, (-4°F ~ 140°F) according to IEC60068-2 with 0.5 m/s AirFlow
Storage Temperature	-40°C ~ 80°C, (-40°F ~ 176°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	125mm*196mm*66.1mm (w/o wall mount bracket)
Weight	1.4 kg
Mounting Kit	Wall Mount Bracket (Optional)
Construction	Aluminum extrusion and heavy-duty steel

Software Support

OS Information	Linux Ubuntu 20.04
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