



## AIB-NW01

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

- >
- > 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-

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

#### -Storage-

<b>M.2</b>	128GB M.2 2280 NVMe SSD
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#### -Rear I/O-

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

#### -Power Requirement-

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

#### -Certification-

<b>Certification Information</b>	CE, FCC Class A
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#### Expansion

<b>M.2</b>	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

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

#### Software Support

<b>OS Information</b>	Linux Ubuntu 20.04
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