

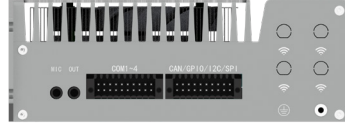
# WBP-NVJ02 series

NVIDIA Jetson AGX ORIN AI BOX-PC Edge System

## Features

- NVIDIA Jetson AGX ORIN - 200T/275T
- 1x 10 Gigabit interface supporting dual Orin cascading
- 5x Gigabit Ethernet ports with Intel 210 supporting EtherCAT
- 8x GMSL2
- 9-36V DC Input
- Support DIN Rail and Desktop Mount

AI Performance up To 275TOPS



Embedded BOX-PC

4U SETUP PC

3U SETUP PC

2U SETUP PC

Panel PC

Touch Monitor

## Specifications

Core Modules	AI Performance	Jetson AGX Orin 32GB	Jetson AGX Orin 64GB
		200 TOPS	275 TOPS
Ethernet	Controller	1 * Marvell® AQR113C, 10/100/1000/2500/5000/10000 Mbps (Native interface)	
		1 * Intel® i210-AT, 10/100/1000 Mbps	
		1 * Intel® i210-AT, 10/100/1000 Mbps (Four shared interfaces through the switch)	
Storage	M.2	1 * M.2 Key-M (PCIe x4 Gen 3, NVMe SSD, 2280)	
	TF Slot	1 * TF Card Slot	
Expansion Slots	Mini PCIe	1 * Mini PCIe (USB 2.0, with 1 * SIM Card Slot)	
	M.2	1 * M.2 Key-B (USB 5Gbps, with 1 * SIM Card Slot, 3052) 1 * M.2 Key-E (TTL, 2230)	
Front I/O	Ethernet	6 * RJ45	
	USB	4 * USB 5Gbps (Type-A) 4 * USB2.0 (Type-A)	
	Display	1 * HDMI: Resolution up to 4096x2160 @ 30Hz	
	Button	1 * Power On/Off Button 1 * Recovery Button 1 * Reset Button	
Side I/O	USB	1 * USB 5Gbps (Type-C)	
	OTG	1 * Micro USB	
	Debug	1 * Micro USB	
	PSON	1 * PSON (Pluggable Terminal Blocks, 2P, P=3.5mm)	
	GMSL	8 * GMSL2 (FAKRA-Z, Optional)	
	TF	1 * TF Card Slot	
	SIM	2 * SIM Card Slots	
	Audio	2 * 3.5mm Jack (MIC + Line Out)	
	Serial	4 * RS232/485 (COM1/2/3/4, Pluggable Terminal Blocks, P=2.54mm)	
	CAN	2 * CAN FD (Pluggable Terminal Blocks, P=2.54mm)	
	GPIO	8bits GPIO (Pluggable Terminal Blocks, P=2.54mm)	
SPI	1 * SPI (Pluggable Terminal Blocks, P=2.54mm)		
I <sup>2</sup> C	1 * I <sup>2</sup> C (Pluggable Terminal Blocks, P=2.54mm)		
Internal I/O	FPANEL	1 * FPANEL (Header)	
	FAN	1 * SYS FAN (wafer)	
	Speaker	1 * Speaker (5-W/8-Ω Loads, wafer)	
Power Supply	Type	AT/ATX	
	Power Input Voltage	9 ~ 36VDC	
	Connector	1 * Pluggable Terminal Blocks, 2Pin, P=5.0/5.08mm	
	RTC Battery	CR2032 Coin Cell	
OS Support	Linux	Ubuntu	
Mechanical	Enclosure Material	Radiator/Box: Aluminum alloy, Top/Bottom Cover: SGCC	
	Dimensions	53mm(L) * 145mm(W) * 186.4mm(H)	
	Mounting	Wall mounted, DIN, Desktop	
Environment	Heat Dissipation System	PWM Air Cooling	
	Operating Temperature	-20~60°C with 0.7 m/s airbow	
	Storage Temperature	-40~80°C	
	Relative Humidity	10 to 95% (non-condensing)	
	Vibration	With Industrial SSD: IEC 60068-2-64 (3Grms@5~500Hz, random, 1hr/axis)	
Shock	With Industrial SSD: IEC 60068-2-27 (30G, half sine, 11ms)		

## Ordering Information

Model name	Description	Model name	Description
WBP-NVJ02-AGX Orin 32GB	Fanless edge AI system with NVIDIA® Jetson™ Jetson AGX Orin 32GB, 1 HDMI, 1* 10GbE LAN, 5*GbE LAN, 8 * GMSL2	WBP-NVJ02-AGX Orin 64GB	Fanless edge AI system with NVIDIA® Jetson™ Jetson AGX Orin 64GB, 1 HDMI, 1* 10GbE LAN, 5*GbE LAN, 8 * GMSL2

For the detail information of sales point of Malaysia/ Taiwan/ Hong Kong/ Vietnam, please visit <http://www.wise-tech.net.cn> for information of distribution, contact information, and product purchase. All specifications are subject to change without notice. Last update: 1/2/2025