

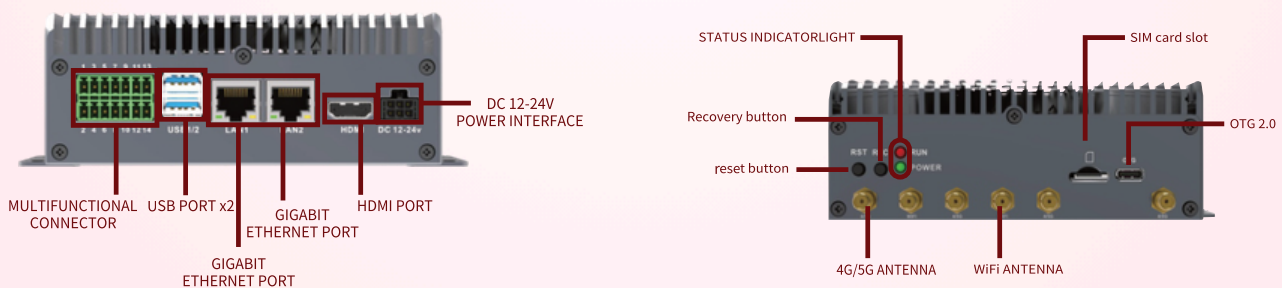
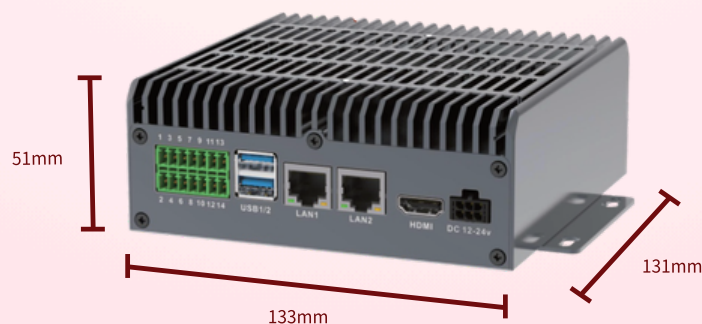
RXW-AIE 202



Key Features

RXW-AIE 202 is engineered and developed based on the NVIDIA Jetson Orin Nano core platform, featuring 20/40 TOPS AI computing capability. The device comes pre-installed with Ubuntu 20.04 operating system, supports 4G/5G communication, and is built with a durable aluminum alloy body. It adopts an advanced thermal cooling structure, compact lightweight design, and modern appearance, with rich I/O connectivity options and reserved mounting brackets for on-site installation. It can be widely used in robotics, UAV systems, smart security, industrial inspection, intelligent buildings, and various autonomous applications. It serves as an excellent solution for deploying edge AI computing and deep learning tasks efficiently.

INTERFACE DISPLAY



Item	Specification	
System	AI Platform	Jetson Orin Nano
	AI Processing Power	20 TOPS/40 TOPS (Super Mode:34 TOPS/67 TOPS)
	GPU	512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores 1024-core NVIDIA Ampere architecture GPU, 32 Tensor Cores 6
	CPU	core Arm®Cortex®-A78AE v8.264-bit CPU1.5MB L2+4MB L3
	Video Encoding	1080p30 supported through 1–2 CPU cores
	Video Decoding	1x4K60 (H.265) 2x4K30 (H.265) 5x1080p60 (H.265) 11x1080p30 (H.265)
	Memory	4GB 64bit LPDDR5 34GB/s/8GB 128bit LPDDR5 68GB/s
	Storage/Expansion	(Compatible with external NVMe support)

Hardware Interface

Item	Specification	
Ethernet	Interface	2x RJ45 Gigabit Ethernet ports, separate IP support
Wireless Network	WiFi 4G/5G Other	2.4GHz/5GHz dual band WiFi (optional) 4G full network connectivity/5G full network connectivity(optional) 1x SIM Card Slot
Multimedia	Display Audio	1xHDMI
Port	M.2 KEY E M.2 KEY M	WiFi 1x 2280 PCIE SSD
I/O	USB	2x USB3.0 Type-A,1x USB2.0 Micro OTG
	Serial Port	1x RS232, 1x Rs485
	CAN	1x CAN
	GPIO	2xGPI(INT)+2xGPO(OUT)(3.3V@1mA) with isolation, 1x UART Debug
Other	RTC	1x RTC
	Synchronous System	/
	GMSL Camera Interface	/
Electric Source	Power Input	12-24V
	Power Interface	MX3.0 terminal
	Buttons/Indicator Lights	Recovery / Reset two buttons, two status indicator lights
Physical Parameters	Specifications/ Dimensions	133mm×131mm×51mm
Work Environment	Operating Temperature	-20 C~60 C super Mode:-20 C~60 C
	Operating Humidity	5%-95% non-condensing
	Cooling Method	Fan cooling
Certifications		CE, FCC, RoHS

Disclaimer: As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification on without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.