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INDUSTRIAL PRODUCT DATASHEET

reComputer Industrial J3011- Fanless Edge AI Device with Jetson Orin™ Nano 8GB

reComputer Industrial J3011 is a fanless edge AI device powered by Jetson Orin™ Nano 8GB for industrial interfaces, hybrid connectivity, and flexible mounting, enabling generative AI and computer vision deployment.

SKU	UPDATED	PRICE
110110193	2026-11-03 04:02:21	$999.00(Excl. VAT)



Overview



reComputer Industrial J3011 is a fanless edge AI device powered by Jetson Orin™ Nano 8GB, offering industrial interfaces (2* RJ-45 GbE with 1 for POE-PSE 802.3 af, 1* RS-232/RS-422/RS-485, 4* DI/DO, 1* CAN, 3* USB3.2, optional TPM2.0), hybrid connectivity (5G/4G/LTE/LoRaWAN®/GPS module optional with 1* Nano SIM card slot), and flexible mounting (desk, DIN rail, wall-mounting, VESA), with wider temperature support -20 ~ 60°C with 0.7m/s airflow. It supports generative AI at the edge with Vision-Language Models such as LLaVA, multi-stream AI video analytics via NVIDIA Multi-Standard Video Decoder, and one-line deployment of generative AI and computer vision projects including Ollama, Llama3, and YOLOv8 through jetson-example.

Key Features

01 **Fanless compact PC**

Thermal reference design, wider temperature support -20 ~ 60°C with 0.7m/s airflow

02 **Designed for industrial interfaces**

2* RJ-45 GbE(1 for POE-PSE 802.3 af); 1* RS-232/RS-422/RS-485; 4* DI/DO; 1* CAN; 3* USB3.2; 1* TPM2.0 (Module optional)

03 **Hybrid connectivity**

Support 5G/4G/LTE/LoRaWAN®/GPS(Module optional) with 1* Nano SIM card slot

04 **Flexible mounting**

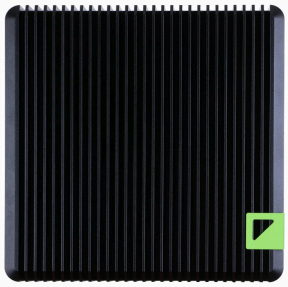
Desk, DIN rail, wall-mounting, VESA

05 **Certifications**

FCC, CE, RoHS, UKCA

Product Gallery



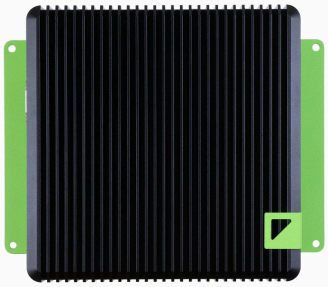




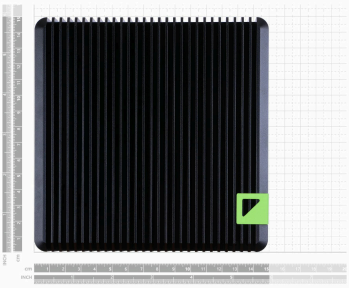




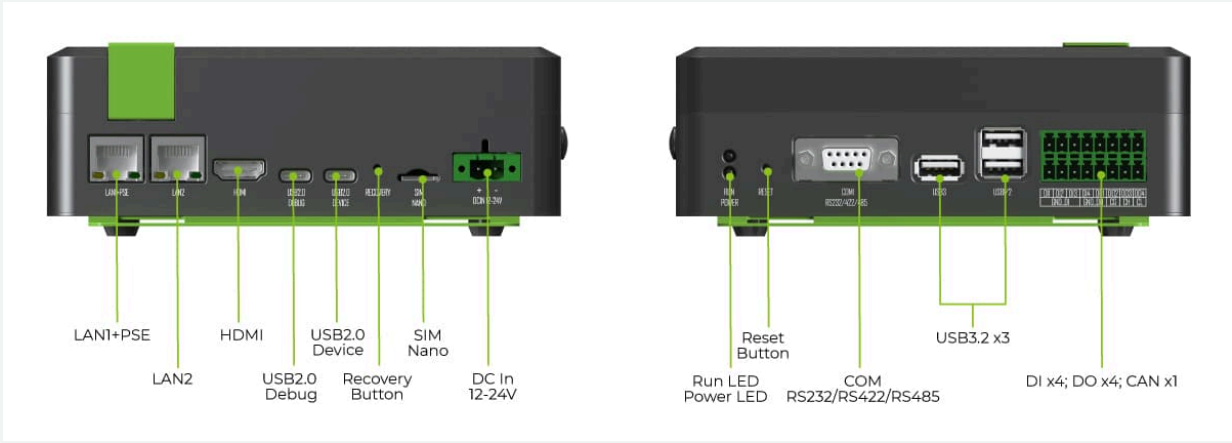


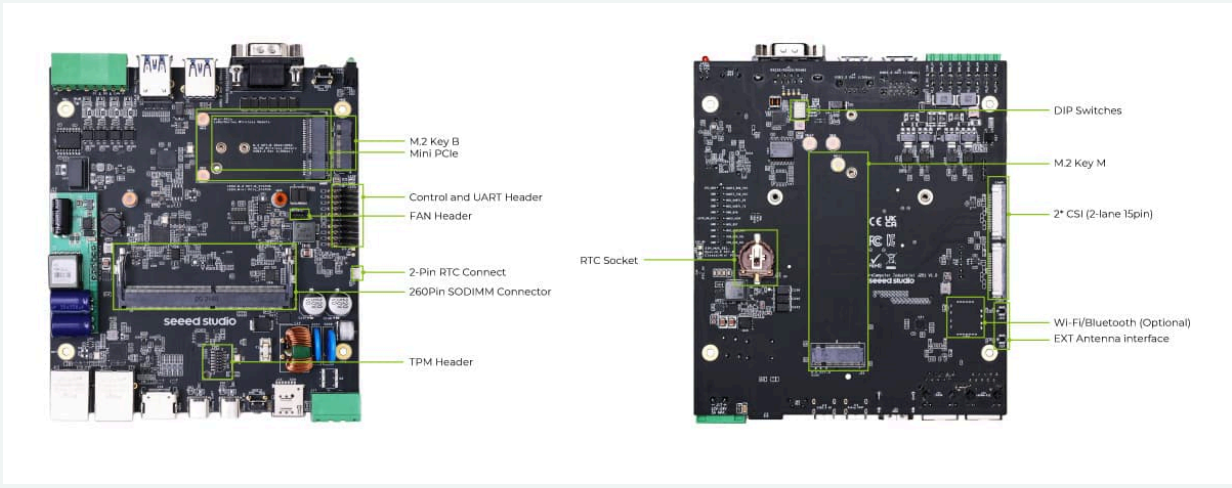


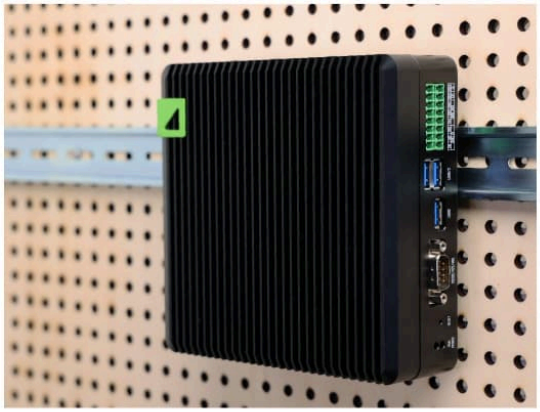



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Hardware Overview







DIN Rail



Wall Mount

Applications

- **Capable of Bringing Generative AI to the Edge:** Now you can build AI agents capable of processing large amounts of live or archived videos and images with Vision-Language Models (VLM) such as LLaVA, this new AI agents help nearly every industry summarize, search, and extract actionable insights from video using natural language.
- **Build Multi-streams AI Video Analytics:** For building video analytics, Jetson Orin NX incorporates the NVIDIA Multi-Standard Video Decoder. This video decoder accelerates video decode, supporting low resolution mobile content, Standard Definition (SD), High Definition (HD) and UltraHD (8K, 4K, etc.) .
- **Fastest Way to Deploy Generative AI and Computer Vision Models:** We have jetson-example prepared for you! It offers one-line deploy projects edge AI applications of generative AI including Ollama, Llama3; computer vision including YOLOv8, and others. We have configured all environment for you to provides single command deployment of projects.

Resource Links

- https://www.seeedstudio.com/reComputer-Industrial-J3011-p-5682.html
- Datasheet
- Schematic
- 3D File
- Assembly Guide
- MTBF Test Report
- Github
- Seeed Nvidia Jetson Product Catalog
- Nvidia Jetson Comparison
- Nvidia Jetson Product Comparison
- Seeed Nvidia Jetson Success Cases
- Seeed Jetson One Pager
- Flash BSP for Jetson

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