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INDUSTRIAL PRODUCT DATASHEET

reComputer Robotics J4011 - Intelligent Edge AI Computer with NVIDIA Jetson Orin NX Super 8GB

The reComputer Robotics J4011 is a compact, high-performance edge AI box designed for advanced robotics.

SKU	UPDATED	PRICE
114110309	2026-11-11 09:37:46	$1119.00(Excl. VAT)



Overview



The reComputer Robotics J4011 is a compact, high-performance edge AI box designed for advanced robotics. Compatible with NVIDIA® Jetson™ Orin™NX modules in Super/MAXN mode, it delivers up to 117 TOPS of AI performance, leveraging up to 1.7x improvement over its predecessor. Pre-installed with JetPack 6.2 and Linux BSP, it ensures seamless deployment, serving as a powerful robotic brain capable of processing complex data from various sensors.

Key Features

01 **Robust Hardware Design**

A compact, high-performance edge AI computer with NVIDIA® Jetson™ Orin™ NX 8GBmodule in Super/MAXN mode, providing up to 117 TOPS of AI performance.

02 **Multiple Interfaces for robotics**

Including dual RJ45, M.2 slots for 5G/Wi-Fi/BT modules, 6x USB 3.2, 2x CAN, GMSL2(additional purchase), I2C, and UART, functioning as a powerful robotic brain.

03 **Software Setup**

Pre-installed with JetPack 6.2 and Linux BSP for seamless deployment.

04 **Application and Benefit**

Ideal for rapid development of autonomous robots, accelerating time-to-market with ready-to-use interfaces and optimized AI frameworks.

05 **Wide Operating Range**

Operates reliably across a temperature range of -20°C to 60°C at 25W mode and -20°C to 50°C at 40W mode

06 **Jetson Modules Performance with Super Mode**

07 **Enhanced power management**

08 **Improved higher frame rate processing**

09 **Reduced inference time**

Product Gallery









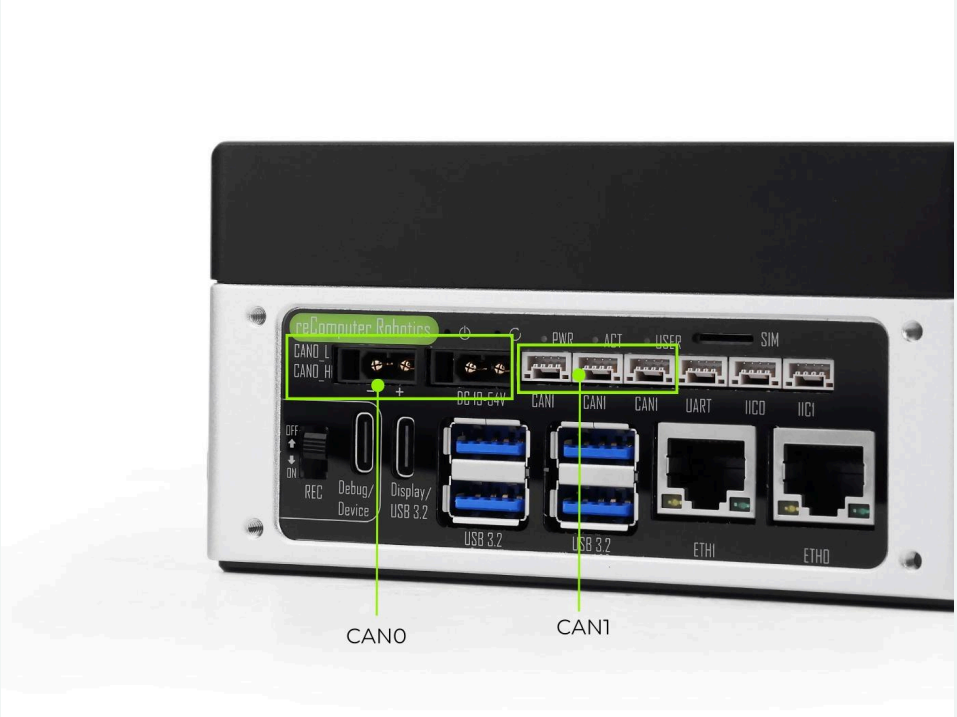


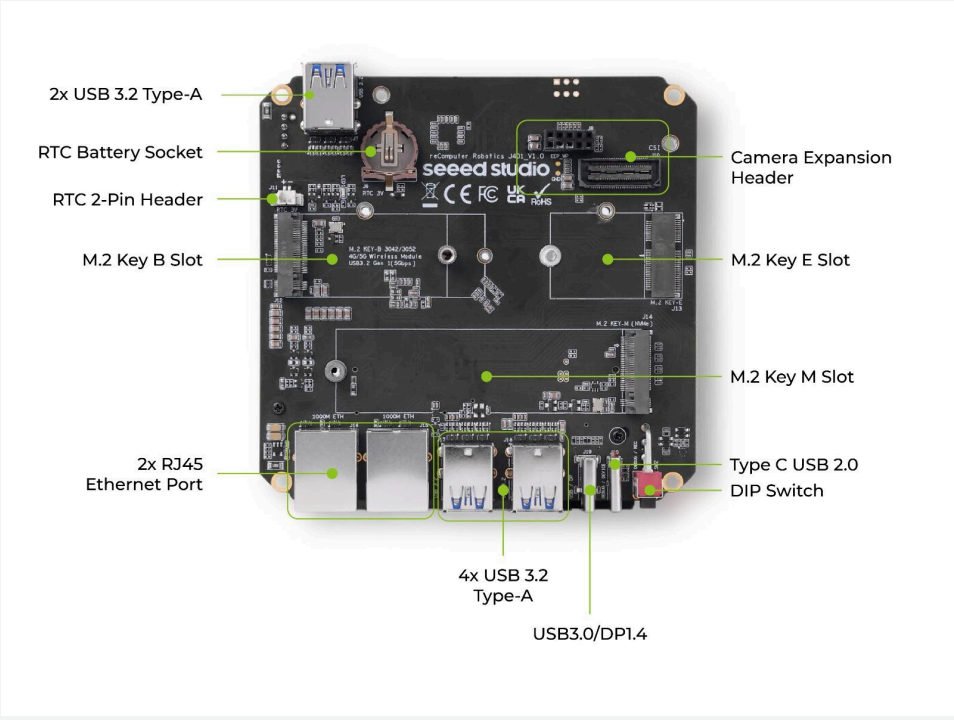





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65 mm
130 mm
125 mm

Hardware Overview





Applications

- **The NVIDIA AI software stack is designed for accelerate AI application and deployment:**
- **Designed for Edge AI Computer Vision Applications::** Jetson Platform Services provide a platform to simplify development, deployment and management of Edge AI applications on NVIDIA Jetson like BEV sensing demo with 4 USB cameras.
- **Designed for demanding AI applications：:** Such as AMR, smart retail, industrial automation, and video surveillance, smart video analysis scenario
- **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-Robotics-J4011-p-6504.html
- User Manual&Datasheet
- Carrier Board Schematic
- Power Board Schematic
- 3D File
- Mechanical Document-reComputer Robotics PCBA
- Seeed NVIDIA Jetson Product Catalog
- Nvidia Jetson Comparison
- Seeed Nvidia Jetson Success Cases
- Seeed Jetson One Pager

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