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INDUSTRIAL PRODUCT DATASHEET

reComputer Robotics J3011 - Intelligent Edge AI Computer with NVIDIA Jetson Orin Nano Super 8GB

The reComputer Robotics J3011 is a compact, high-performance edge AI box designed for advanced roboticsdevelopment.

SKU	UPDATED	PRICE
114110308	2026-11-17 08:18:55	$789.00(Excl. VAT)



Overview



The reComputer Robotics J3011 is a compact, high-performance edge AI box designed for advanced roboticsdevelopment. Compatible with NVIDIA® Jetson™ Orin™ modules in Super/MAXN mode, it delivers up to 67 TOPS of AI performance,leveragingupto1.7ximprovementoveritspredecessor. 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 OrinNano8GB module in Super/MAXN mode, providing up to 67 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

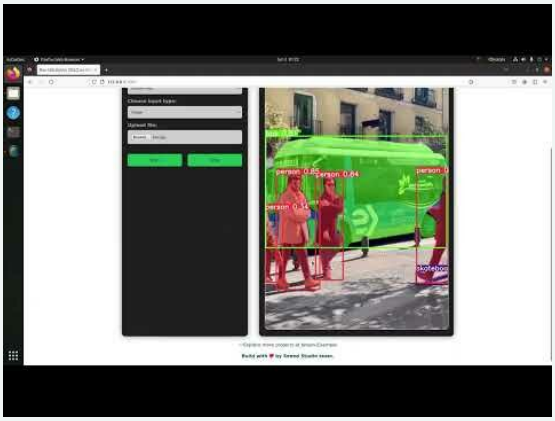
06 **Jetson Modules Performance with Super Mode**

07 **Enhanced power management**

08 **Improved higher frame rate processing**

09 **Reduced inference time**

Product Gallery











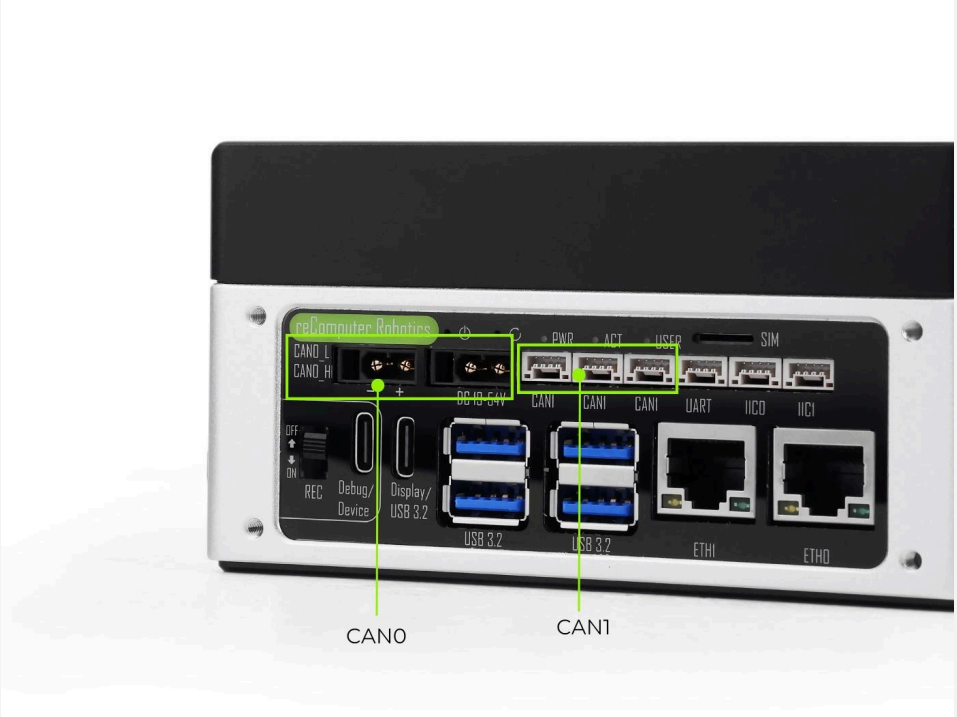


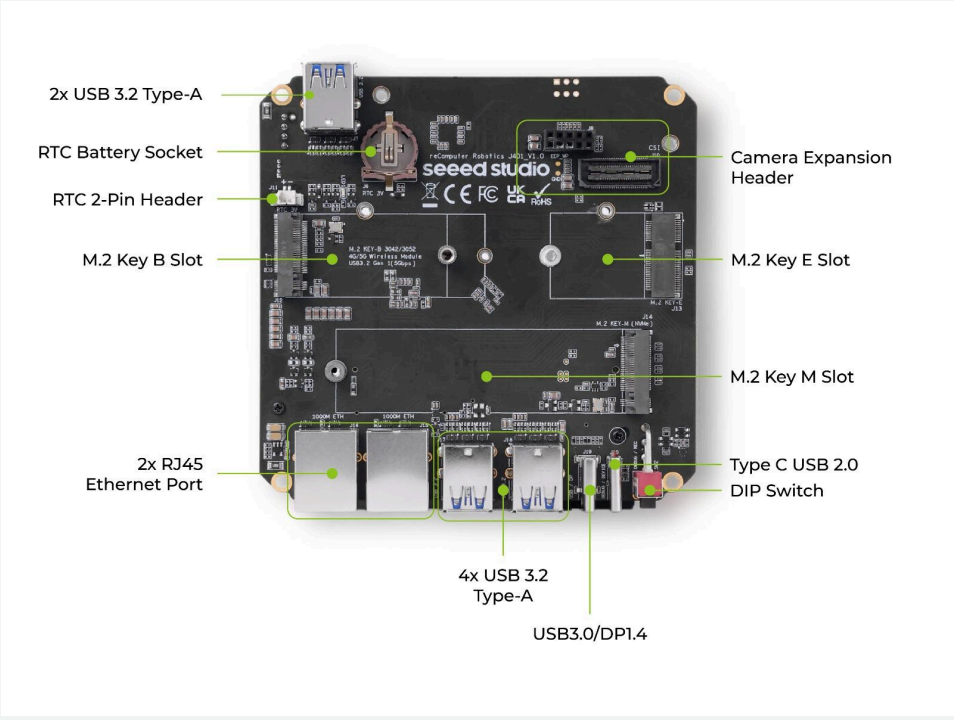

USB 3.2
USB 3.2




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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
- **The NVIDIA Isaac™ platform delivers the NVIDIA® CUDA®-accelerated libraries, application frameworks, and AI models you need to create autonomous mobile robots (AMRs), arms and manipulators, humanoids, and more.**

Resource Links

- https://www.seeedstudio.com/reComputer-Robotics-J3011-p-6503.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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