seeed studio

INDUSTRIAL PRODUCT DATASHEET

reComputer Mini & optional accessories, NVIDIA Jetson Orin Powered Robotics Brain

Compact NVIDIA Jetson Orin edge AI device with pre-installed antennas and SSD, optimized for generative AI and video analytics deployment.

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Overview



The reComputer Mini is an NVIDIA Jetson Orin-powered edge AI device with a pre-installed RF cable, antenna, and 128GB SSD (NVMe SSDs up to 2TB recommended). It accelerates generative AI and computer vision deployment with jetson-examples, and supports multi-stream video analytics via the NVIDIA Multi-Standard Video Decoder.

Key Features

Note:

- The wireless modules you choose like Wi-Fi and LTE modules will not be installed by Seeed. You will have to install the modules and antennas by yourselves. If you have batch orders which need the modules and antennas to be installed from factory, please contact odm@seeed.cc.
- 128GB SSD is included by default. For optimal performance with reComputer, we recommend using **256GB** / **512GB** / **1TB** / **2TB** NVMe SSDs from Seeed. Since some SSDs on the market may only be compatible with specific JetPack versions, which may cause the device to fail to function properly. And this issue is also present with official NVIDIA dev kits.
- reComputer Mini have pre-installed RF cable and antenna.
- reComputer Mini does not come with a power adapter and power cord by default. Please purchase them according to your needs.

Product Gallery









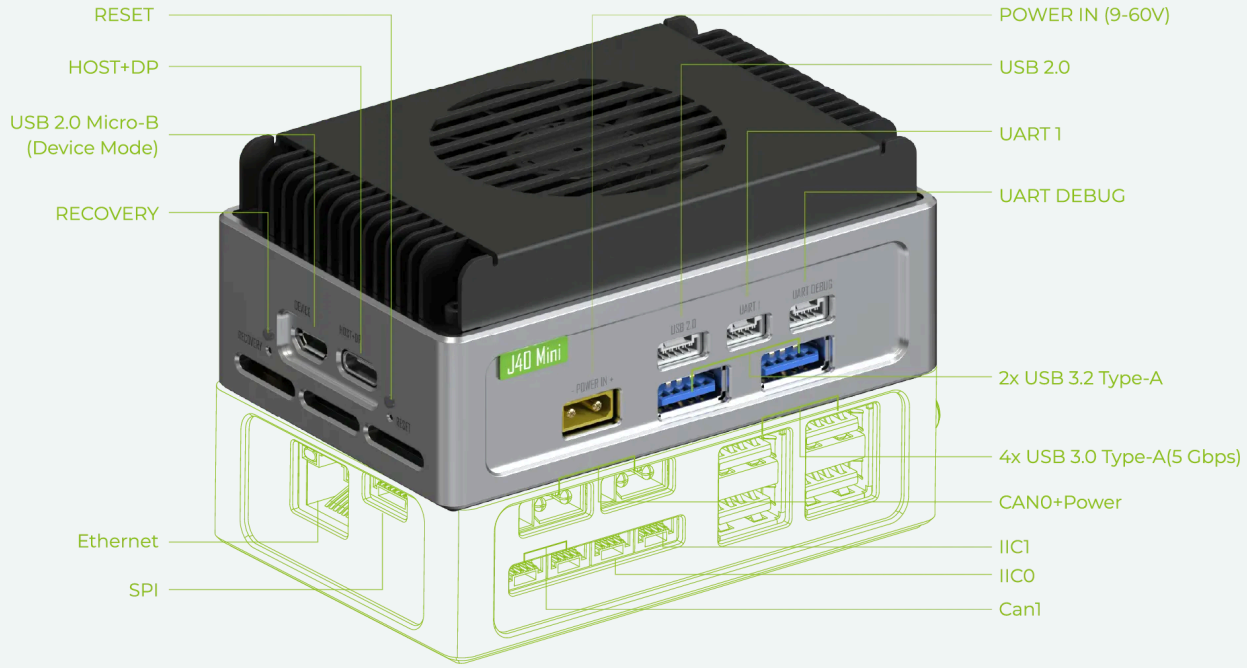








Hardware Overview



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 (https://github.com/Seeed-Projects/jetson-examples) 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-Mini-optional-accessories.html
- Datasheet
- Schematic
- 3D File
- Seeed Nvidia Jetson Product Catalog
- Nvidia Jetson Product Comparison
- Seeed Nvidia Jetson Success Cases
- Seeed Jetson One Page

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