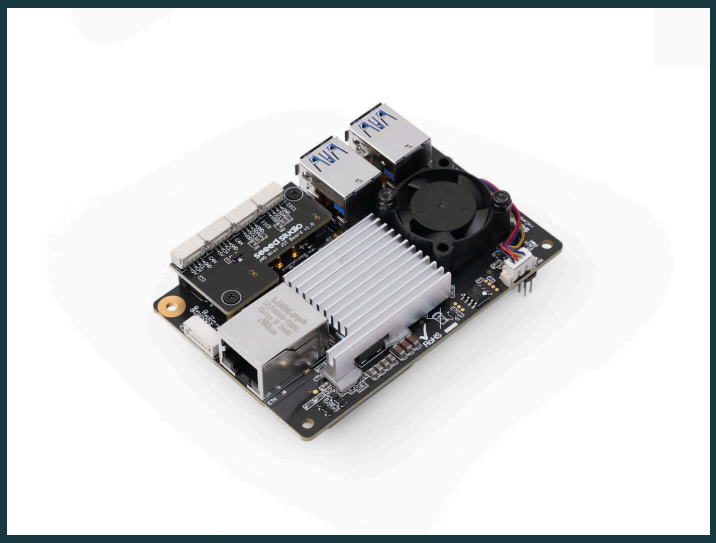
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INDUSTRIAL PRODUCT DATASHEET

reComputer Mini Extension Board for Jetson Orin™ Nano/Orin™ NX

reComputer Mini Extension Board is designed to be connected to reComputer Mini Carrier board, and has a JST board attached to it.

SKU	UPDATED	PRICE
114993593	2026-11-11 09:35:04	$59.00(Excl. VAT)



Overview



reComputer Mini Extension Board is designed to be connected to reComputer Mini Carrier board, and has a JST board attached to it. It provides IO extensions (Ethernet, IIC, CAN etc) that are widely used on autonomous machines such as drones, patrol robots, delivering robots, etc. It is attached to the bottom of reComputer Mini Carrier Board and needs to be used along with the reComputer Mini Carrier Board.

Key Features

01 **Compact Size Suitable for robotics and drone applications**

02 **48V**

Compatible Can be used in 48V battery power system (max 54V input)

03 **Rich IO capabilities**

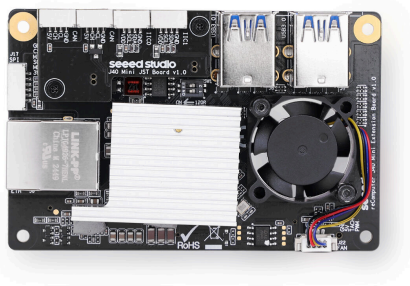
Includes USB ,CAN, I2C,RJ45 and SPI

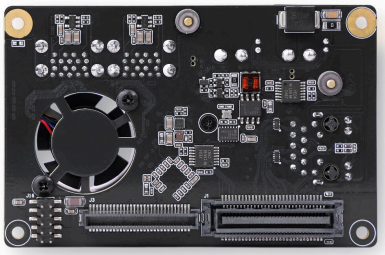
04 **Orin compatibility**

Compatible with both Jetson Orin™ NX and Orin™ Nano

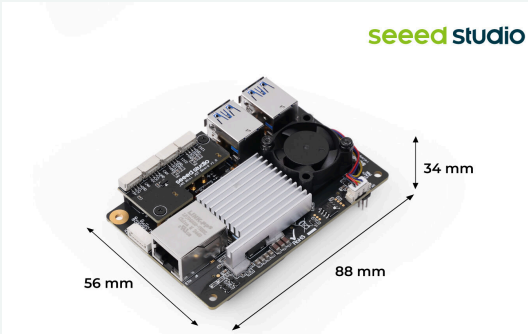
05 **Stackable Can be stacked onto reComputer mini carrier board for usage**

Product Gallery



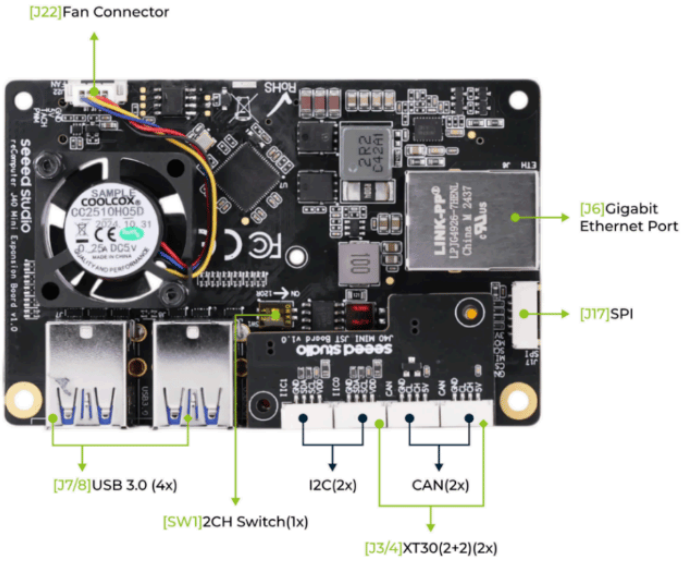




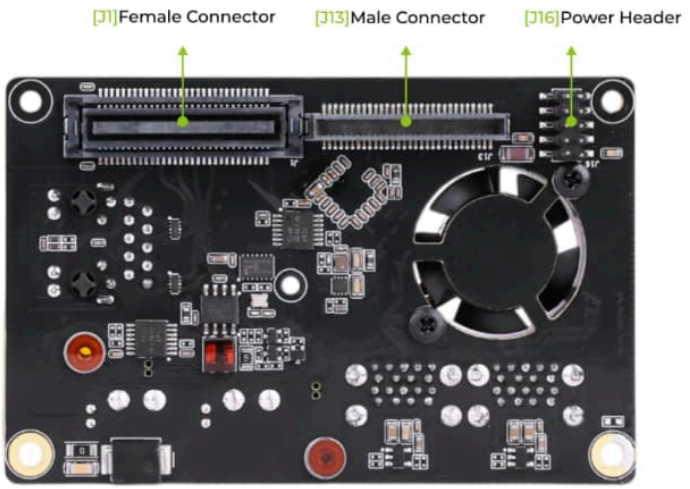


Hardware Overview

Extension Board(with JST board) - Front View



Extension Board - Bottom View



Applications

- **Robotic Control**
- **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.) reComputer J4012 can take 18x1080p30 streams. See our tested YOLOv8 performance using NVIDIA Deepstream of single model and multi model on multi streams.
- **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-Mini-Extension-Board-p-6421.html
- Datasheet
- Schematic
- 3D File

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