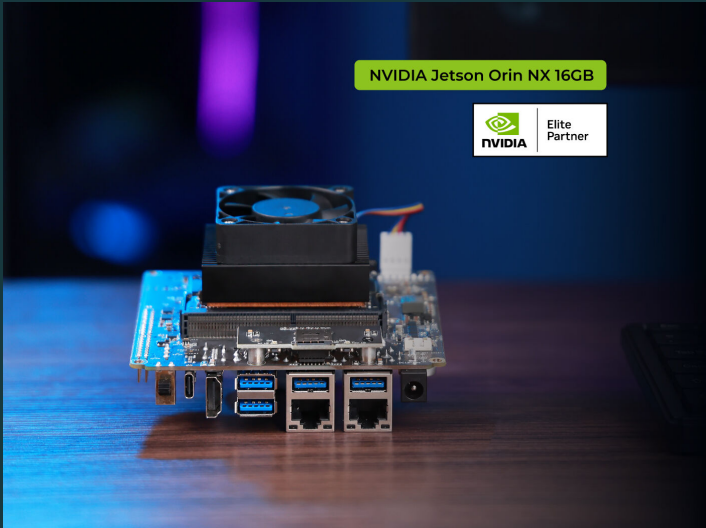


INDUSTRIAL PRODUCT DATASHEET

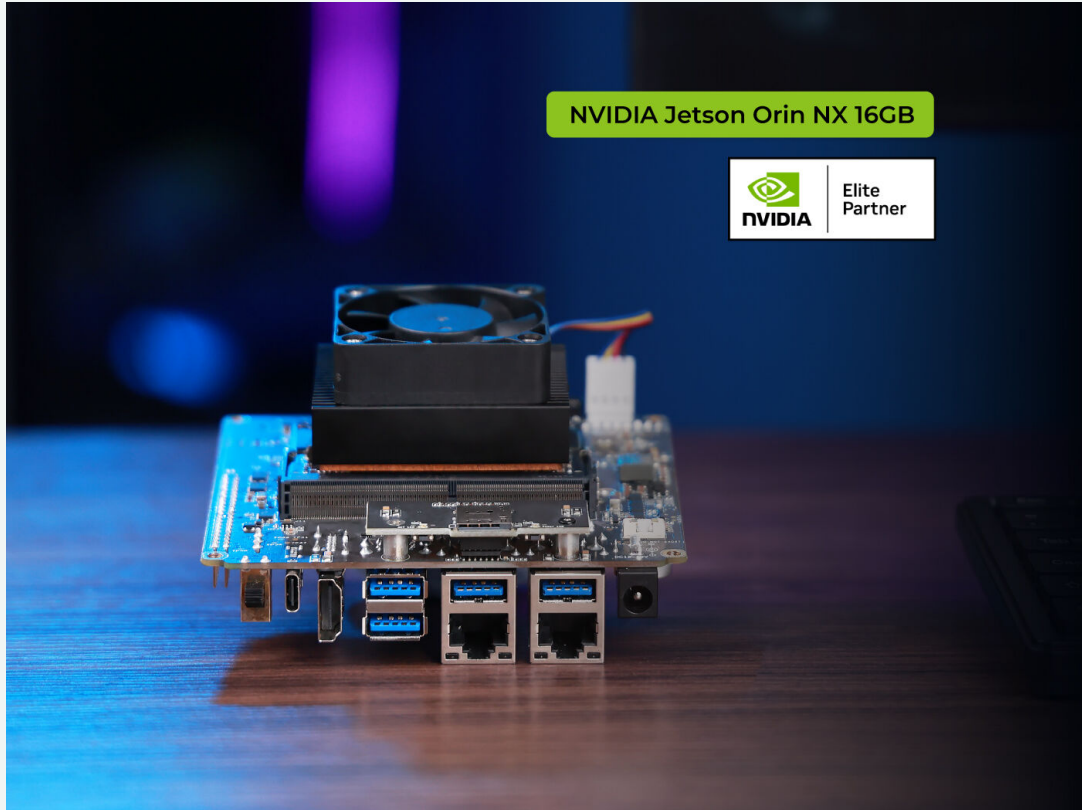
reComputer Super J401 NX Bundle with Jetson Orin™ NX NX 16GB in Super Mode

Built for developers, the reComputer Super J401 Bundle with Jetson Orin™ NX 16GB in Super Mode offers up to 157 TOPS, dual GbE, LTE, 4x Mipi-CSI, and full MAXN Mode support for vision AI, robotics, and generative AI.

SKU	UPDATED	PRICE
100029661	2026-08-27 01:03:37	\$1449.00(Excl. VAT)



Overview



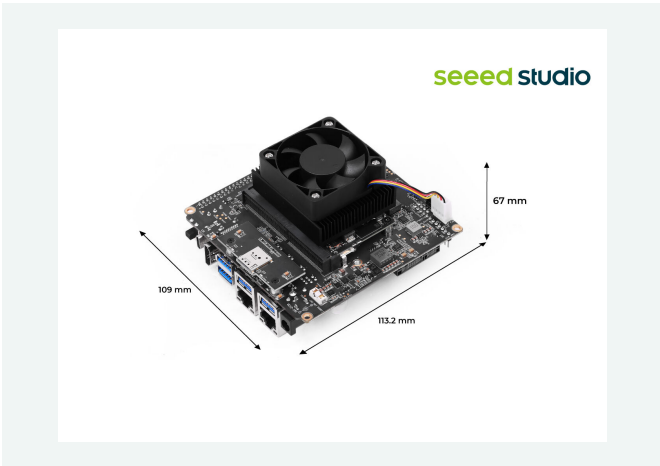
The reComputer Super J401 Bundle with Jetson Orin™ NX 16GB in Super Mode delivers up to 157 TOPS in MAXN Super Mode, configurable 10W–40W power modes, and reliable operation from -20°C to 50°C at 40W. It provides 2x RJ45, SIM card, 4x USB 3.2, HDMI 2.1, CAN, M.2 Key E/M, Mini-PCIe, and 4x Mipi-CSI interfaces, and comes pre-installed with JetPack 6.2 and a 256GB NVMe SSD for rapid edge AI development.

Key Features

- **Super Boost AI Performance:** Delivers up to 157 TOPS in MAXN Super Mode, ideal for demanding applications like vision AI, robotics, and generative AI.
- **Energy-Efficient Operation:** Configurable power modes from 10W to 40W allow for optimized performance and energy consumption.
- **Robust Thermal Design:** Operates reliably in temperatures from -20°C to 50°C at 40W.
- **Rich interfaces:** Features 2x RJ45, SIM card, 4x USB 3.2, HDMI 2.1 and CAN. Also including M.2 Key E/M, Mini-PCIe, 4x Mipi-CSI for connectivity and cameras.
- **Ready for Deployment:** Pre-installed with JetPack 6.2 ([Supports JP7.2](#)) and a 256GB NVMe SSD, supporting AI frameworks like NVIDIA Isaac, Hugging Face, and ROS2/1, enabling rapid development of various AI applications.
- Memory Bandwidth Upgrade
- Higher Throughput
- Improved higher frame rate processing
- Enhanced Power Management
- Reduced Inference Latency

Built for developers, the reComputer Super J401 is an enhanced upgrade over the [reComputer J401](#). It takes edge AI development further with key enhancements: dual GbE (RJ45) ports, LTE, 4x Mipi-CSI for Camera, and full support for MAXN Mode.

Product Gallery



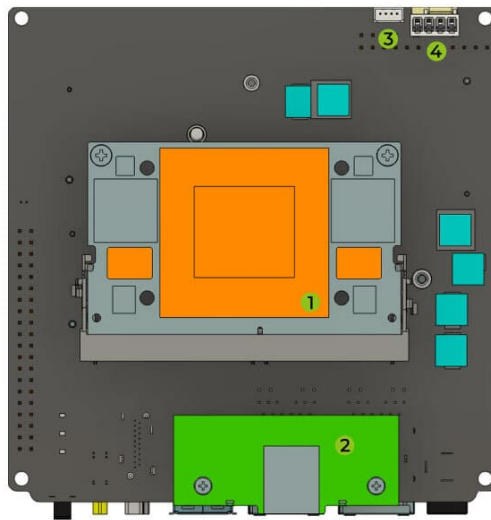
Specification

Jetson Orin NX System on Module	
	reComputer Super J401 NX Bundle
Module	Jetson Orin NX 16GB

AI Performance	up to 157 TOPS	
NVIDIA GPU Cores	1024 CUDA Cores with 32 Tensor Cores	
GPU Max Frequency	1173 MHz	
CPU	8x A78 2.0 GHz	
Memory	16GB 128-bit LPDDR5 102.4 GB/s	
Video Encoder	1x 4K60 (H.265) 3x 4K30 (H.265) 6x 1080p60 (H.265) 12x 1080p30 (H.265)	
Video Decoder	1x 8K30 (H.265) 2x 4K60 (H.265) 4x 4K30 (H.265) 9x 1080p60 (H.265) 18x 1080p30 (H.265)	
Module Power	10W 15W 25W 40W	
Carrier Board		
Storage	1x M.2 KEY M PCIe for SSD(M.2 NVMe 2280 SSD 256G included)	
Networking	M.2 KEY E	1x M.2 Key E (WiFi/BT combo module included)
	Mini PCIe	1x mini-PCIe for LTE 4G module(no included)
	Ethernet	2x RJ45 Gigabit Ethernet
I/O	USB	4x USB 3.2 Type-A (5Gbps) 1x USB 2.0 Type-C (Device Mode/Debug)
	Camera	4x mipi CSI(2-lane 15-Pin)
	CAN	1 x CAN(4-Pin Header)
	Display	1x HDMI 2.1
	Fan	1x 4-Pin 1.25mm Fan Connector (5V PWM) 1x 4-Pin 2.54mm Fan Connector (12V PWM)
	Extension Port	1x 40-Pin extension header 1x 12-Pin control and UART header
	RTC	1x RTC 2-pin 1x RTC Socket
	LED	2x LED(PWR and ACT)
	Button	1x PWR 1x RESET
	Switch	1x REC
Power	12-19V 552S Barrel DC Jack	
Mechanical	Dimensions (W x D x H)	113.2mm x 109mm x 67mm
	Weight	200g
	Installation	Desk(Copper Studs included)
Operating Temperature	-20°C~50°C(40W Mode)	
Warranty	1 Years	
Certification	RoHS,CE,FCC	

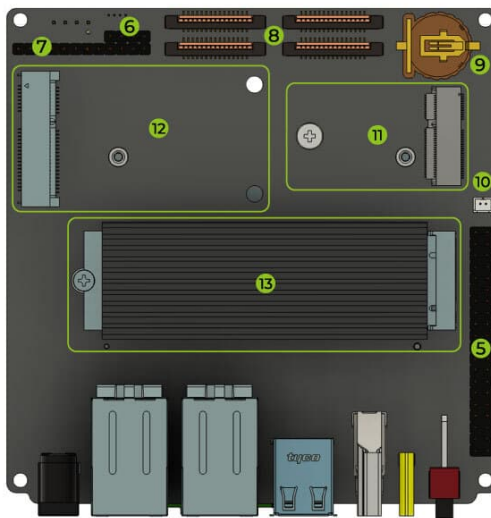
Hardware Overview

Top View



- ① Nvidia Jetson Orin Module
- ② Extension Board
- ③ 4-Pin Fan Connector (5V PWM)
- ④ 4-Pin Fan Connector (12V PWM)

Bottom View



- ⑤ 40-Pin Extension Header
- ⑥ CAN Header
- ⑦ 12-Pin control and UART header
- ⑧ 4x 15-Pin MIPI CSI
- ⑨ RTC Battery Socket(CR1220)
- ⑩ RTC 2-Pin Header(3V)
- ⑪ M.2 Key E Slot
- ⑫ Mini PCIe Slot
- ⑬ M.2 Key M Slot(with SSD)

Applications

- **From Zero to Real Projects:** Master Linux basics on the Jetson environment to build an end-to-end AI NVR/AMR.
- **Hardware Integration:** Tailored for reComputer Jetson devices for a seamless, out-of-the-box experience.
- **Coverage of Cutting-Edge Domains:** Deep dive into CV, GenAI, ROS, agentic AI, and TensorRT optimization.
- **Toolchain Mastery:** Hands-on tutorials with NVIDIA JetPack SDK, CUDA, DeepStream, PyTorch, and TensorFlow.
- **reComputer AI Lab:** To improve the developer experience, Seeed offers reComputer AI Lab — a platform that helps you deploy AI applications with one-click tools and ready-to-use resources. It includes optimized edge AI model demos for CV, LLM, VLM, interactive tutorials, deployment tools, containerized applications, and community projects to speed up development on Jetson.
- **Seeed Jetson Develop Tool:** Seeed Jetson Develop Tool is a desktop client for all developers who are going to use reComputer Jetson device for the very first time. It brings the common bring-up and development workflow into one GUI: firmware flashing, first-boot initialization, device diagnostics, remote development, app deployment, skill-based automation, OTA updates, and community resources. All we provide here is to help you to get started with Seeed reComputer Jetson hardware much more easily and seamlessly.
- **Jetson-example:** Ready to build a solution for the real world? We have Jetson-example prepared for you! It offers one-line deployable projects compatible with generative AI large models, including LeRobot, Ollama, Qwen, etc; with computer vision such as Ultralytics YOLO26. We have configured all environment setups for you to provide a single command deployment of projects, easy to try out/verify if the trending model performance is suitable for your GPU needs and application scenarios.
- **Designed for Multi-Camera Vision AI:** Powered by the reComputer Super AI box, the system supports up to 4x USB cameras or MIPI-CSI cameras to create a 360° panoramic vision network. Leveraging the advanced spatial foundation model, it processes multiple real-time video streams simultaneously to deliver accurate depth perception, comprehensive environmental awareness, and real-time blind-spot elimination for safer autonomous operation.

Part List

Seeed Carrier Board (reComputer Super J401)	x1
Jetson Orin NX 16GB Module	x1
256GB SSD (System Installed)	x1
Heatsink with Fan	x1
Wi-Fi/BT combo Module	x1
Wi-Fi Antenna Kit	x2
19V-4.74A Power Adapter(Barrel Jack 5.5/2.5mm, Power cord not included)	x1
AC Cloverleaf Power Cord - US/EU/CN	x3
Copper column	x5
M3 Screw	x5

Compliance & Logistics



HSCODE	8471504090
USHSCODE	8517180050
UPC	
EUHSCODE	8471707000
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- <https://www.seeedstudio.com/reComputer-Super-J401-NX-Bundle-p-6686.html>
- [User Manual & Datasheet](#)
- [Schematic](#)
- [3D File](#)
- [Seeed Nvidia Jetson Product Catalog](#)
- [Nvidia Jetson Comparison](#)
- [Nvidia Jetson Product Comparison](#)
- [Seeed Nvidia Jetson Success Cases](#)
- [Seeed Jetson One Pager](#)

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