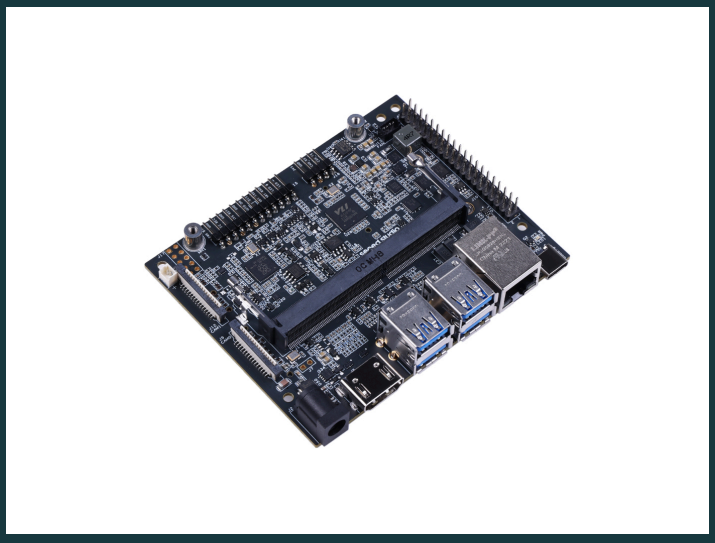
seeed studio

INDUSTRIAL PRODUCT DATASHEET

reComputer J401 - Open-source carrier board for Jetson Orin Nano/Orin NX (without power adapter)

reComputer J401: open-source carrier board for Jetson Orin Nano/Orin NX without power adapter, suited for AI video analytics, machine vision, AMR, and generative AI.

SKU	UPDATED	PRICE
102110770	2026-09-20 06:37:31	$111.00(Excl. VAT)



Overview



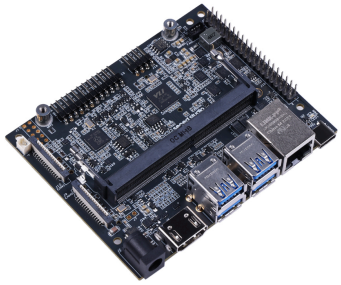
The reComputer J401 is an open-source carrier board for Jetson Orin Nano/Orin NX, supplied without a power adapter. It targets AI video analytics, machine vision, autonomous mobile robots (AMR), and generative AI; for the version with power adapter, refer to reComputer J4012.

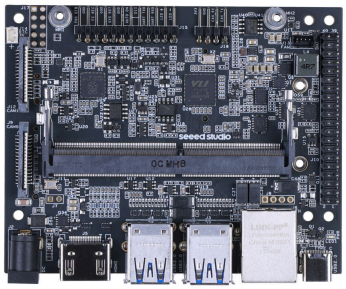
Key Features

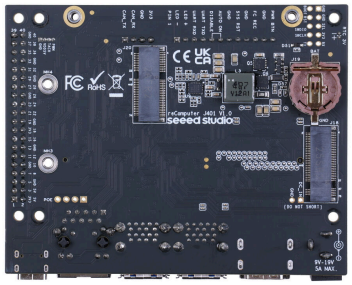
Note

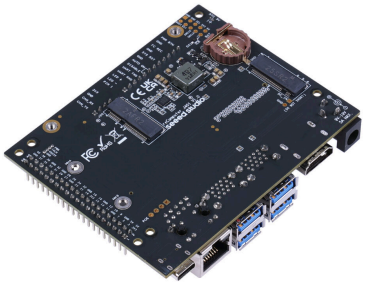
If you are looking for the version with power adapter, please check out **reComputer J4012 with power adapter**

Product Gallery

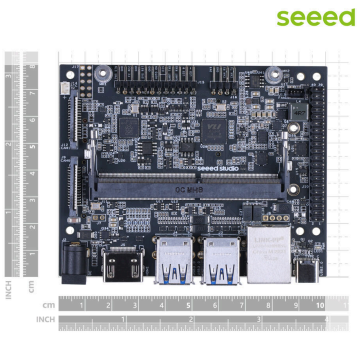










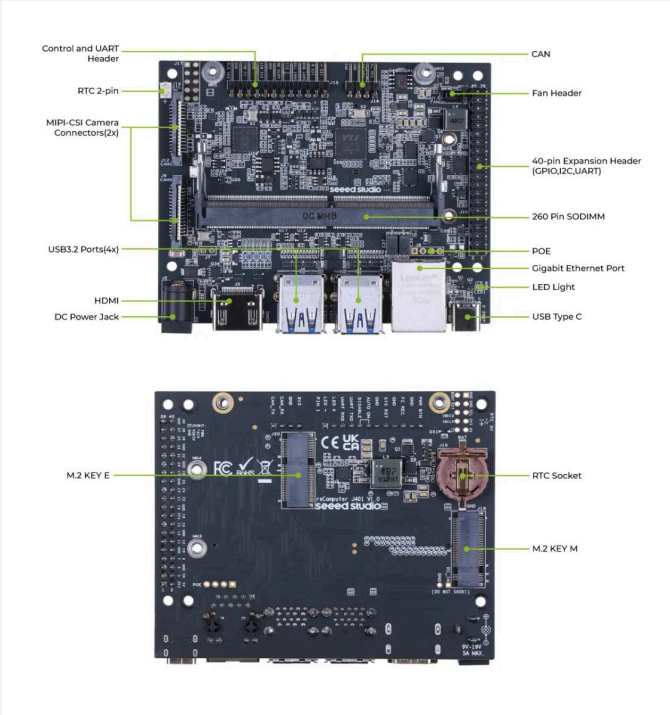


Specification

Carrier Board	
Storage	1x M.2 Key M (connector to Support 2280 NVMe SSD)

Networking	Ethernet	1x RJ-45 Gigabit Ethernet (10/100/1000M)
	M.2 KEY E	1x M.2 Key E for WiFi/Bluetooth module
I/O	USB	4x USB 3.2 Type-A (10Gbps), 1x USB2.0 Type-C (Device Mode)
	Camera	2x CSI (2-lane 15pin)
	Display	1x HDMI 2.1
	Fan	1x 4 pin Fan Connector (5V PWM)
	CAN	1x CAN
	Multifunctional Port	1x 40-Pin Expansion header 1x 12-Pin Control and UART header
	RTC	1x RTC 2-pin, supports CR1220 but not included
Power		9-19V DC
Mechanical	Dimensions (W x D)	100mm x 80mm
	Installation	Desk, wall-mounting
Operating Temperature		-10℃~60℃

Hardware Overview



Applications

- **AI Video Analytics**
- **Machine Vision**
- **Autonomous Mobile Robot (AMR)**
- **Generative AI**

Part List

reComputer J401 Carrier Board	x1

Compliance & Logistics

HSCODE	8543909000
USHSCODE	8517180050
UPC	
EUHSCODE	8543709099
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-J401-Carrier-Board-for-Jetson-Orin-NX-Orin-Nano-without-Power-Adapter-p-5637.html
- reComputer J401 Carrier Board Datasheet
- NVIDIA Jetson Device and Carrier Boards Comparison
- Seeed NVIDIA Jetson Product Catalog
- J401 carrier board open-source file

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