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INDUSTRIAL PRODUCT DATASHEET

reComputer J101 Carrier Board for Jetson Nano

The reComputer J101 Carrier Board for Jetson Nano features SD card function with 48MHz CLK for CE/FCC certification, sized like the B01 dev kit carrier board, and is suited for AMR, AI video analytics, machine vision, and generative AI.

SKU	UPDATED	PRICE
102991694	2026-08-20 01:04:17	$69.00(Excl. VAT)



Overview



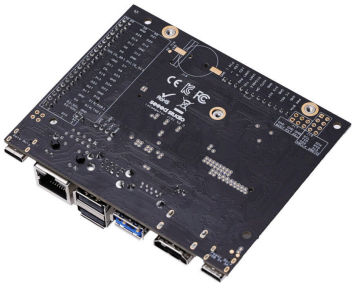
The reComputer J101 Carrier Board for Jetson Nano provides SD card function with CLK Frequency 48MHz, designed to achieve CE/FCC certifications, and matches the size of the NVIDIA Jetson Nano B01 dev kit carrier board. It is not compatible with the NVIDIA Jetson Nano A01 dev kit and supports Autonomous Mobile Robot (AMR), AI Video Analytics, Machine Vision, and Generative AI applications.

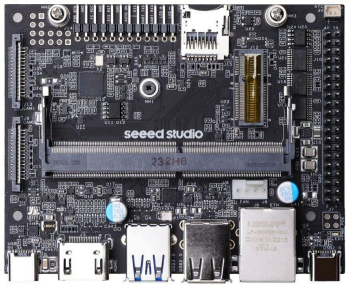
Key Features

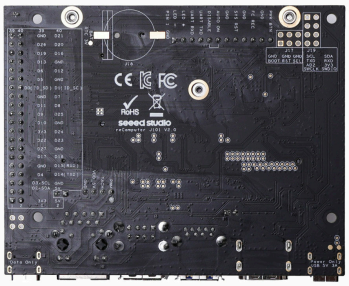
Note:

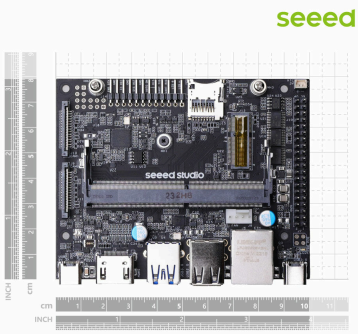
- **We provide SD card function on reComputer J101 carrier board, which supports CLK Frequency 48MHz. The CLK here is designed to achieve certificates (such as CE/FCC). If you want to increase CLK by yourself, you can use the instructions here.**
- The later reComputer J1010 carrier board version has all SD card functions.
- J101 carrier board is exactly the same size as the carrier board of NVIDIA Jetson Nano B01 dev kit. However, it's not compatible with NVIDIA Jetson Nano A01 dev kit.

Product Gallery





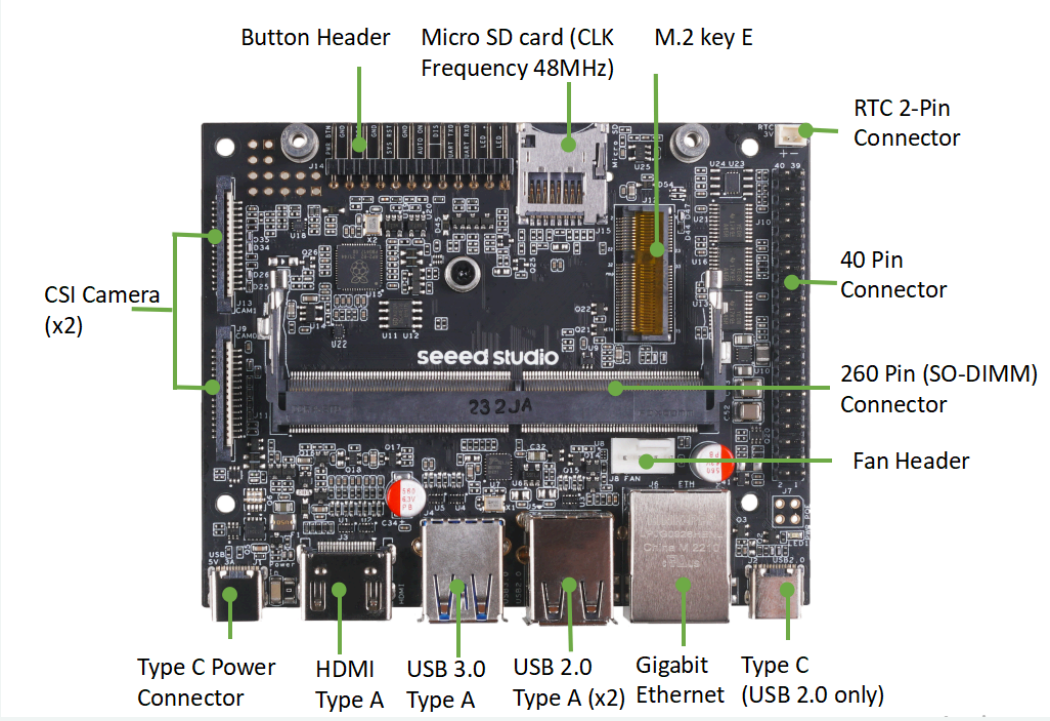


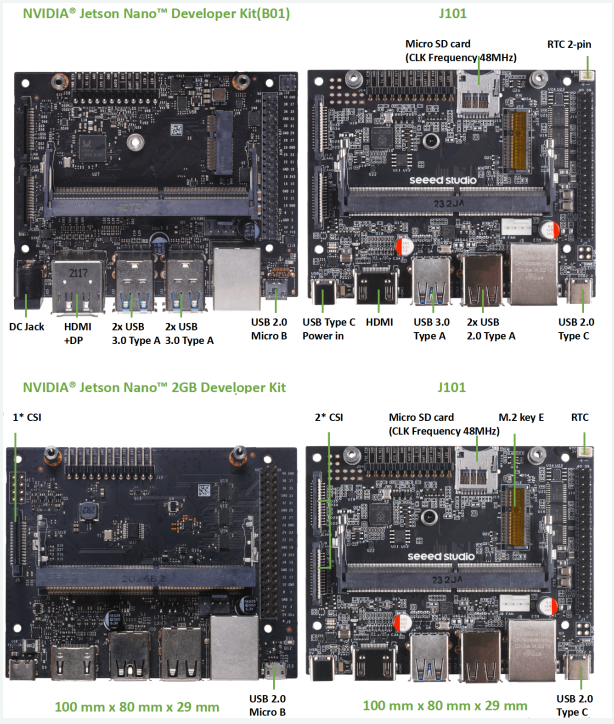


Specification

Carrier Board		
Storage		1x Micro SD card slot (48MHz CLK Frequency)
Networking	Ethernet	1x Gigabit Ethernet (10/100/1000M)
	M.2 KEY E	1x M.2 Key E PCIe 2230
I/O	USB	1x USB Type-C (Power In) 1x USB 3.0 Type-A (5 Gbps) 2x USB 2.0 Type-A 1x USB Type-C (Device mode)
	Camera	2x CSI
	Audio	1x 3.5 Audio Jack 2x MIC 2x SPEAKER 1x SPEAKER FEEDBACK
	Display	1x HDMI
	Fan	1x Fan Connector (5V PWM)
	Multifunctional Port	1x 40-Pin 1x 12-PIn
	RTC	1x RTC 2-pin 1x RTC socket(reserved)
Power		5V/3A (USB Type C)
Mechanical (W x D x H)		100mm x 80mm
Operating Temperature		-25℃~65℃

Hardware Overview





Applications

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

Part List

reComputer J101 Carrier Board	x1

Compliance & Logistics

HSCODE	8543909000
USHSCODE	8517180050
UPC	
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-J101-v2-Carrier-Board-for-Jetson-Nano-p-5396.html
- reComputer J101 v2 datasheet
- reComputer J101 PCBA 2D & 3D
- NVIDIA Jetson Devices and Carrier Boards Comparisons
- Seeed NVIDIA Jetson Hardware Catalog

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