seeed studio

INDUSTRIAL PRODUCT DATASHEET

reComputer J1010 -Edge AI Computer with NVIDIA® Jetson Nano 4GB

reComputer J1010 edge AI computer with NVIDIA Jetson Nano 4GB for computer vision, machine learning, and autonomous mobile robot (AMR) applications.

SKU	UPDATED	PRICE
110061362	2026-06-25 09:09:17	$219.00(Excl. VAT)

Overview

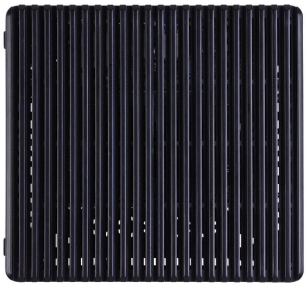
The reComputer J1010 is an edge AI computer with NVIDIA Jetson Nano 4GB, recommended as a replacement for the discontinued Jetson Nano Developer Kit. It is designed for computer vision, machine learning, and autonomous mobile robot (AMR) applications.

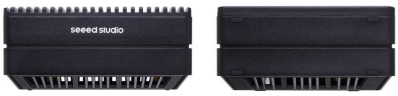
Key Features

Note

- The official NVIDIA Jetson Nano Developer Kit has reached EOL and is no longer available for purchase. We recommand you check out this reComputer J10 full system as a replacing choice for Jetson Nano developer Kit.
- If use some GPIO libraries that causes floating voltage 1.2V~2V , GPIO issues on the carrier board could happen as the normal voltage should be 3V. This is a common situation on the carrier boards, for both the reComputer series and official Nvidia Jetson developer kit. Thus, aftersales / warrenty does not come into effect regarding this isssue. For further information, refer to **NVIDIA official document**.

Product Gallery



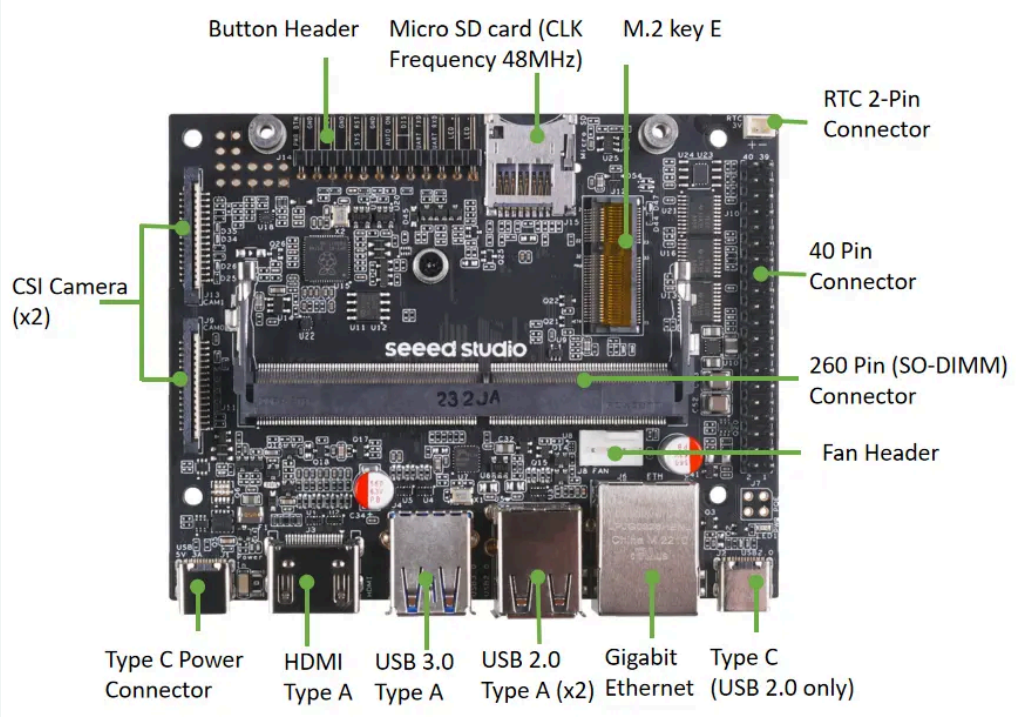


Specification

Jetson Nano 4GB System on Module		
AI Performance	Jetson Nano 4GB - 0.5 TOPS	
GPU	NVIDIA Maxwel™ architecture with 128 NVIDIA CUDA® cores	
CPU	Quad-core ARM Cortex-A57 MPCore processor	
Memory	4 GB 64-bit LPDDR4 25.6 GB/s	
Video Encoder	1x 4K30 | 2x1080p60 | 4x1080p30 | 4x720p60 | 9x720p30 (H.265 & H.264)	
Video Decoder	1x 4K60 | 2x 4K30 | 4x 1080p60 | 8x 1080p30 | 9x 720p60 (H.265 & H.264)	
Carrier Board		
Storage		1x TF_Card
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	1x USB 3.0 Type A; 2x USB 2.0 Type A; 1x USB Type C for device mode; 1x USB Type C for 5V power input
	Camera	2x CSI
	Display	1x HDMI Type A
	Fan	1x 4 pin Fan Connector (5V PWM)
	Multifunctional Port	1x 40-Pin Expansion header 1x 12-Pin Control and UART header
Power		USB-Type C 5V⎓3A

Mechanical	Dimensions (W x D x H)	130 mm x 120 mm x 58.5 mm (with case)
	Installation	Desk, wall-mounting
Operating Temperature		0℃ ~ 60℃

Hardware Overview



Applications

- **Computer Vision**
- **Machine Learning**
- **Autonomous Mobile Robot (AMR)**

Part List

reComputer J1010 (System Installed)	x1
*Noted power supply and RTC(CR1220) are not included, please remember to add on demand	

Compliance & Logistics

HSCODE	8471419000
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/Jetson-10-1-A0-p-5336.html
- 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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