

INDUSTRIAL PRODUCT DATASHEET

reComputer J1020 v2 - Edge AI Computer with NVIDIA® Jetson Nano 4GB

reComputer J1020 v2 edge AI computer with NVIDIA Jetson Nano 4GB, designed for computer vision, machine learning, and autonomous mobile robot (AMR) applications.

SKU

110061441

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PRICE

\$279.00(Excl. VAT)



Overview



The reComputer J1020 v2 is a full edge AI system built around the NVIDIA Jetson Nano 4GB module, serving as a replacement for the discontinued official 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 recommend 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 issuse. For further information, refer to [NVIDIA official document](#).
- If you are looking for the version without power adapter, please check out [reComputer J1020v2 without power adapter](#).

Product Gallery

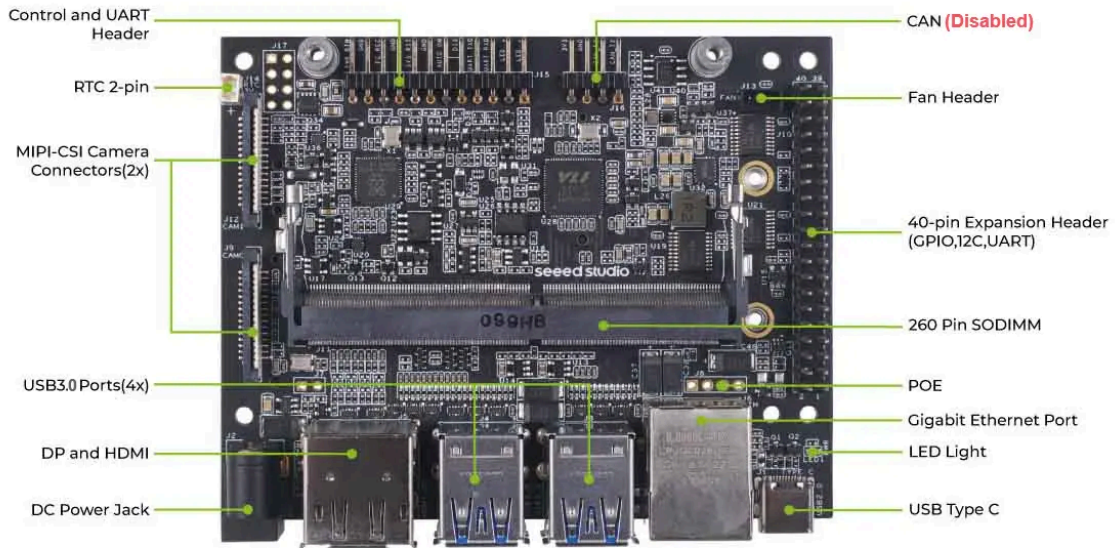


Specification

Jetson Nano 4GB System on Module		
AI Performance	Jetson Nano 4GB - 0.5 TOPS	
GPU	NVIDIA Maxwell™ 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 M.2 Key M PCIe 16G eMMC
Networking	Ethernet	1x RJ-45 Gigabit Ethernet (10/100/1000M)
I/O	USB	4x USB 3.0 Type-A ; 1x Micro-USB port for device mode
	Camera	2x CSI (2-lane 15pin)
	Display	1x HDMI Type A; 1x DP
	Fan	1x 4 pin Fan Connector (5V PWM)
	Multifunctional Port	1x 40-Pin Expansion header 1x 12-Pin Control and UART header

Power		DC Jack 12V/2A
Mechanical	Dimensions (W x D x H)	130 mm x 120 mm x 50 mm (with case)
	Installation	Desk, wall-mounting
Operating Temperature	0°C ~ 60°C	

Hardware Overview





Applications

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

Part List

reComputer J1020 v2 (System Installed)	x1
12V/2A power adapter (with 5 interchangeable adapter plugs)	x1
*We will not include a 3V RTC battery	

Compliance & Logistics



HSCODE	8471419000
USHSCODE	8517180050
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/reComputer-J1020-v2-p-5498.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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