

INDUSTRIAL PRODUCT DATASHEET

reComputer J1020- Edge AI Device with Jetson Nano module, Aluminium case, pre-installed JetPack System

reComputer J1020- Edge AI Device with Jetson Nano module, Aluminium case, pre-installed JetPack System: a hand-size Edge AI device with 128 NVIDIA CUDA cores and pre-installed JetPack, designed to help build next-gen autonomous...

SKU

110061361

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PRICE

\$259.00(Excl. VAT)



Overview

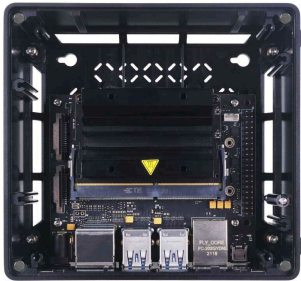


The reComputer J1020- Edge AI Device with Jetson Nano module, Aluminium case, pre-installed JetPack System is a hand-size Edge AI device built with the Jetson Nano 4GB Production Module, featuring 128 NVIDIA CUDA cores delivering 0.5 TFLOPs (FP16) for AI workloads such as image classification and object detection. Pre-installed with NVIDIA JetPack SDK and equipped with extensive I/O including GPIO, CSI, Gigabit Ethernet, and USB 3.0, it enables both beginners and experts to rapidly develop next-gen autonomous machines at the edge.

Key Features

- **NVIDIA Jetson Nano Dev Kit alternative:** hand-size Edge AI device built with Jetson Nano 4GB Production Module, the carrier board brings extensive I/Os: GPIO, CSI, Gigabit Ethernet, 4 x USB 3.0 Type A, 1 x Micro-USB, onboard 16 GB eMMC, Please check [here](#) for SSD storage expansion.
- **128 NVIDIA CUDA® cores deliver 0.5 TFLOPs (FP16)** to run AI frameworks and models for applications like image classification, object detection, segmentation, and speech processing.
- **Pre-installed NVIDIA Jetpack,** JetPack SDK includes a board support package (BSP), Linux OS, NVIDIA CUDA, cuDNN, and TensorRT software libraries for deep learning, computer vision, GPU computing, multimedia processing, etc.
- **Support entire Jetson software stack** and various **developer tools** for building fast and robust AI application provided by Seeed Edge AI partners.

Product Gallery





Applications

- **Build Next-Gen Autonomous Machines at the Edge:** For both beginners and experts, it is designed to help you to build your next-gen autonomous machine at the edge.

Part List

Acrylic Cover	x1
Aluminum Frame	x1
Jetson Nano module	x1
Heatsink	x1
A206 Carrier board	x1
12V/2A Power adapter (with 5 interchangeable adapter plugs)	x1

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-H0-p-5335.html>
- [reComputer J1020 datasheet.pdf](#)

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