



NVIDIA® Jetson Nano™ Developer Kit

SKU 102110268

★★★★☆

3 Reviews

Join the Revolution and Bring the Power of AI to Millions of Devices

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CN Warehouse

Estimated availability Date: May 31, 2019



Pre Order

Tags:

NVIDIA

JETSON NANO

JETSON

DEVELOPMENT KIT

AI SOLUTION

ARTIFICIAL INTELLIGENCE

AI

MACHINE LEARNING

I2C

I2S

SPI

UART

GPIO

DescriptionDocumentsLearnReviewsFAQS

The NVIDIA® Jetson Nano™ Developer Kit delivers the compute performance to run modern AI workloads at unprecedented size, power, and cost. Developers, learners, and makers can now run AI frameworks and models for applications like image classification, object detection, segmentation, and speech processing.

The developer kit can be powered by micro-USB and comes with extensive I/Os, ranging from GPIO to CSI. This makes it simple for developers to connect a diverse set of new sensors to enable a variety of AI applications. It's incredibly power-efficient, consuming as little as 5 watts.

Jetson Nano is also supported by NVIDIA JetPack, which includes a board support package (BSP), Linux OS, NVIDIA CUDA®, cuDNN, and TensorRT™ software libraries for deep learning, computer vision, GPU computing, multimedia processing, and much more. The software is even available using an easy-to-flash SD card image, making it fast and easy to get started.

The same JetPack SDK is used across the entire NVIDIA Jetson™ family of products and is fully compatible with NVIDIA's world-leading AI platform for training and deploying AI software. This proven software stack reduces complexity and overall effort for developers.

Key Features

Jetson Nano Module

- > 128-core NVIDIA Maxwell™ GPU
- > Quad-core ARM® A57 CPU
- > 4 GB 64-bit LPDDR4
- > 10/100/1000BASE-T Ethernet

Power Options


- > Micro-USB 5V 2A
- > DC power adapter 5V 4A

I/O

- > USB 3.0 Type A
- > USB 2.0 Micro-B
- > HDMI/DisplayPort
- > M.2 Key E
- > Gigabit Ethernet
- > GPIOs, I2 C, I2 S, SPI, UART
- > MIPI-CSI camera connector
- > Fan connector
- > PoE connector

Kit Contents

- > NVIDIA Jetson Nano module and carrier board
- > Quick Start Guide and Support Guide



Note

We provide a wide selection of AI related products including Machine Learning, Computer Vision, Edge Computing, Speech Recognition & NLP and Neural Networks Acceleration. [Check here for more products you may need.](#)

We are also calling for feedback and inputs from the developers. Any suggestions on the product features are welcomed at [Seeed Forum!](#)

NVIDIA JETSON NANO DEVELOPER KIT TECHNICAL SPECIFICATIONS

DEVELOPER KIT	
GPU	128-core Maxwell
CPU	Quad-core ARM A57 @ 1.43 GHz
Memory	4 GB 64-bit LPDDR4 25.6 GB/s
Storage	microSD (not included)
Video Encoder	4K @ 30 4x 1080p @ 30 9x 720p @ 30 (H.264/H.265)
Video Decoder	4K @ 60 2x 4K @ 30 8x 1080p @ 30 18x 720p @ 30 (H.264/H.265)
Camera	1x MIPI CSI-2 DPHY lanes

Connectivity	Gigabit Ethernet, M.2 Key E
Display	HDMI 2.0 and eDP 1.4
USB	4x USB 3.0, USB 2.0 Micro-B
Others	GPIO, I2C, I2S, SPI, UART
Mechanical	100 mm x 80 mm x 29 mm

Part List:

1 x NVIDIA® Jetson Nano™ Developer Kit

ECCN/HTS

ECCN	3A991.a
HS CODE	8543709990
UPC	

Company

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