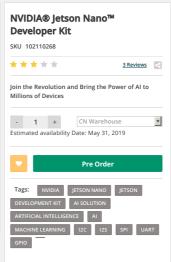
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 $The \ NVIDIA \circledast \ Jetson \ Nano^{TM} \ Developer \ Kit \ delivers \ the \ compute \ performance \ to \ run \ modern \ AI \ workloads \ at$ unprecedented size, power, and cost. Developers, learners, and makers can now run AI frameworks and 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 powerefficient, 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 TensorTm 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  $^{TM}$  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.

### **Kev Features**

# Jetson Nano Module

- > 128-core NVIDIA Maxwell<sup>TM</sup> 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

# 1/0

- > 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

- > PoE connector

## Kit Contents

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

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 IETSON NANO DEVELOPER KIT TECHNICAL SPECIFICATIONS

DE	VELOPER KIT	
GPU		128-core Maxwell
CPU		Quad-core ARM A57 @ 1.43 GHz
Mer	nory	4 GB 64-bit LPDDR4 25.6 GB/s
Stor	age	microSD (not included)
Vide	eo Encoder	4K @ 30   4x 1080p @ 30   9x 720p @ 30 (H.264/H.265)
Vide	eo Decoder	4K @ 60   2x 4K @ 30   8x 1080p @ 30   18x 720p @ 30   (H.264/H.265)
Cam	nera	1x MIPI CSI-2 DPHY lanes



## ECCN/HTS

ECCN	3A991.a
HSCODE	8543709990
UPC	

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