

# NVIDIA Jetson Nano Developer Kit-B01

The NVIDIA® Jetson Nano™ Developer Kit delivers the compute performance to run modern AI workloads at an 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.

## 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, I2C, I2S, SPI, UART
- MIPI-CSI camera connector
- Fan connector PoE connector

## Specifications

- 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: 2x 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



