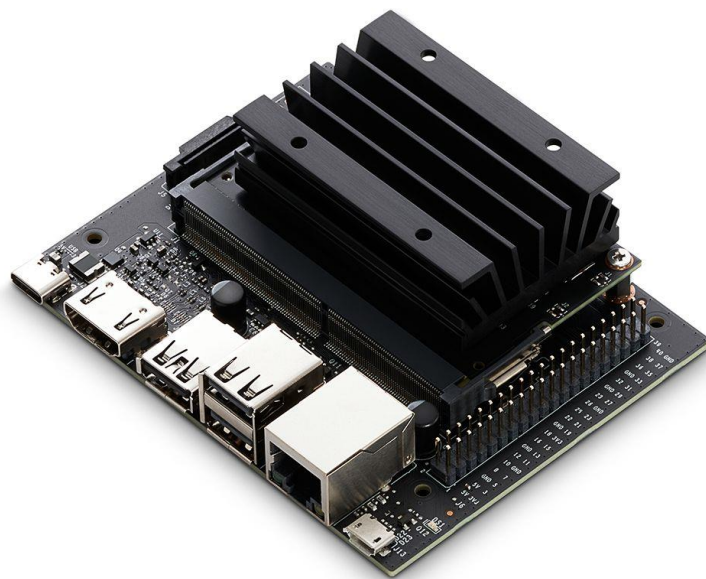# SEEED-102110484

NVIDIA® Jetson Nano™ 2GB Developer Kit (802.11ac Wireless Adapter Included)

PRODUCT DETAILS

Description

Discover the power of AI and robotics with NVIDIA® Jetson Nano™ 2GB Developer Kit. It's small, powerful, and affordable for everyone. This means educators, students, and other enthusiasts can now easily create projects with fast and efficient AI using the entire GPU-accelerated NVIDIA software stack.

Learning by doing is key for anyone new to AI and robotics, and the Jetson Nano 2GB Developer Kit is ideal for hands-on teaching and learning. Unlike online-only

learning, you'll see your work on the developer kit perceive and interact with the world around you in real-time.

Thousands of Jetson Nano developers actively contribute videos, how-tos, and open-source projects in addition to the free and comprehensive tutorials offered by NVIDIA. These start with an introductory "Hello AI World," continue to robotics projects such as the open-source NVIDIA JetBot AI robot platform, and lead to the next level of robotics development with NVIDIA Isaac™.

All these resources are enabled by NVIDIA JetPack™, which brings to each Jetson developer the same CUDA-X™ software and tools used by professionals around the world. JetPack includes a familiar Linux environment and simplifies the development process with support for cloud-native technologies such as containerization and orchestration.

The Jetson Nano 2GB Developer Kit delivers incredible AI performance at a low price. It makes the world of AI and robotics accessible to everyone with the exact same software and tools used to create breakthrough AI products across all industries. There's no better way to start.

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 welcome at Seeed Forum!

You can head over to NVIDIA Jetson Download Center to explore the necessary drivers and software for this product.

Specifications

Specification	Details
GPU	128-core NVIDIA Maxwell
CPU	Quad-core ARM A57 @ 1.43 GHz

Specification	Details
Memory	2 GB 64-bit LPDDR4 25.6 GB/s
Storage	microSD (Card not included)
Video Encode	4Kp @ 30 | 4x 1080p @ 30 | 9x 720p @ 30 (H.264/H.265)
Video Decode	4Kp @ 60 | 2x 4Kp @ 30 | 8x 1080p @ 30 | 18x 720p @ 30 (H.264/H.265)
Camera	1x MIPI CSI-2 connector
Connectivity	Gigabit Ethernet 802.11ac wireless
Display	HDMI
USB	1x USB 3.0 Type-A, 2x USB 2.0 Type-A, 1x USB 2.0 Micro-B
Others	40-pin Header (GPIO, I2C, I²S, SPI, UART) 12-pin Header (Power and related signals, UART) 4-pin Fan Header
Power	USB-C 5V/ 3A
Dimensions	100 mm x 80 mm x 29 mm

Part List

- 1 x NVIDIA Jetson module and reference carrier board
- 1 x Quick Start/ Support Guide
- 1 x 802.11ac wireless adapter and extension cable