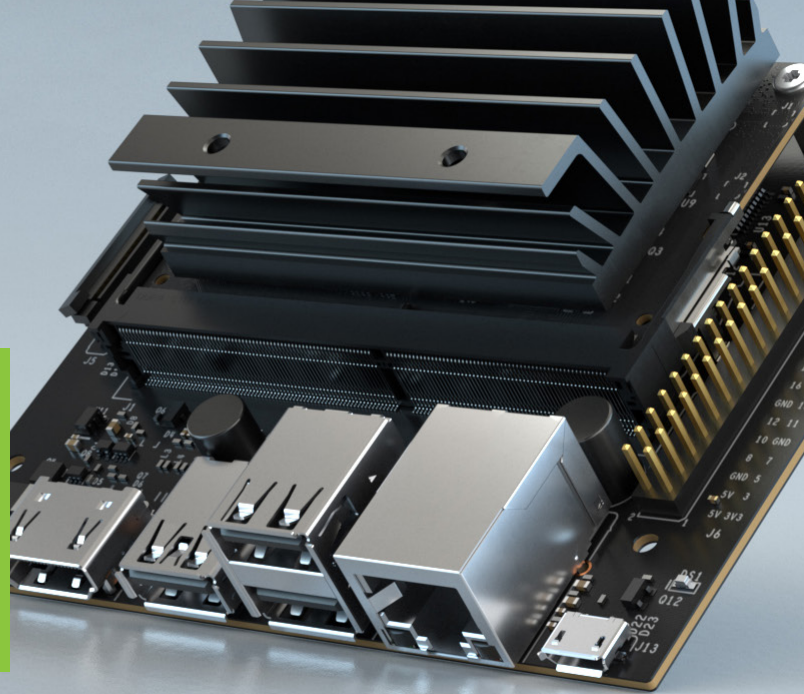




NVIDIA JETSON NANO 2GB DEVELOPER KIT GET HANDS ON WITH AI AND ROBOTICS.



Small Size. Small Price. Big AI Discoveries.

Discover the power of AI and robotics with NVIDIA® Jetson Nano™ 2GB Developer Kit. It's small, powerful, and priced for everyone at \$59*. 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.

KEY FEATURES

NVIDIA Jetson Nano 2GB Developer Kit

- > 128-core NVIDIA Maxwell™ GPU
- > Quad-core ARM® A57 CPU
- > 2 GB 64-bit LPDDR4

Power options

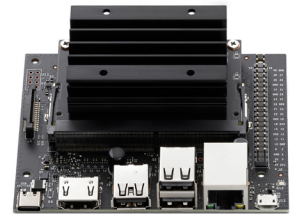
- > USB-C 5V ⚡ 3A

I/O

- > USB 3.0 Type A
- > USB 2.0 Type A
- > USB 2.0 Micro-B (device mode)
- > MIPI CSI-2 camera connector
- > Gigabit Ethernet
- > 40-pin header (GPIOs, I2C, I2S, SPI, UART)
- > HDMI
- > Fan header†

Kit Contents

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



* Local pricing will vary due to currency and taxes | † Not initially available in all regions

NVIDIA JETSON NANO 2GB DEVELOPER KIT

TECHNICAL SPECIFICATIONS

| | |
|--------------|---|
| GPU | 128-core NVIDIA Maxwell |
| CPU | Quad-core ARM A57 @ 1.43 GHz |
| Memory | 2 GB 64-bit LPDDR4 25.6 GB/s |
| Storage | microSD (Card not included) |
| Video Encode | 4Kp30 4x 1080p30 9x 720p30 (H.264/H.265) |
| Video Decode | 4Kp60 2x 4Kp30 8x 1080p30 18x 720p30 (H.264/H.265) |
| Connectivity | Gigabit Ethernet 802.11ac wireless [†] |
| Camera | 1x MIPI CSI-2 connector |
| 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, I ² C, I ² S, SPI, UART) 12-pin header (Power and related signals, UART) 4-pin Fan header [†] |
| Mechanical | 100 mm x 80 mm x 29 mm |

[†] Not initially available in all regions

Learn more at www.nvidia.com/JetsonNano2GB

© 2020 NVIDIA Corporation. All rights reserved. NVIDIA, the NVIDIA logo, CUDA-X, Jetson, Jetson Nano, NVIDIA Isaac, NVIDIA JetPack, and NVIDIA Maxwell are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Other company and product names may be trademarks of the respective companies with which they are associated. ARM, AMBA and ARM Powered are registered trademarks of ARM Limited. Cortex, MPCore and Mali are trademarks of ARM Limited. All other brands or product names are the property of their respective holders. "ARM" is used to represent ARM Holdings plc; its operating company ARM Limited; and the regional subsidiaries ARM Inc.; ARM KK; ARM Korea Limited.; ARM Taiwan Limited; ARM France SAS; ARM Consulting (Shanghai) Co. Ltd.; ARM Germany GmbH; ARM Embedded Technologies Pvt. Ltd.; ARM Norway, AS and ARM Sweden AB. SEP20



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[SparkFun Electronics:](#)

[DEV-17244](#) [DEV-17283](#)