A203 Jetson Nano / Xavier NX Carrier Board (Support WiFi, Bluetooth, SSD)

$179.00

SKU: DFR1122

1 +

Purchase this product and earn 1790 reward points, which are tied to VIP membership program. Learn More >

For Jetson Nano / Xavier NX
$179.00

For Jetson Orin NX / Nano
$170.00

Don't Miss Top Accessories

0.3 MegaPixels USB Camera for Raspberry Pi / NVIDIA Jetson Nano / UNIHIKER M10
$9.90
1 +
Details

Only 14 Left
A203 Jetson Nano / Xavier NX Carrier Board...
$179.00 Add to Cart Shop Now

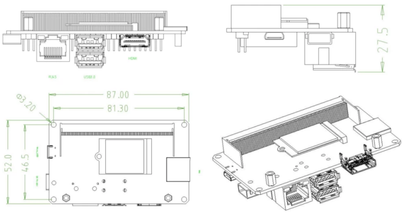
Jetson Nano
$19.90
1 +
Details

Introduction

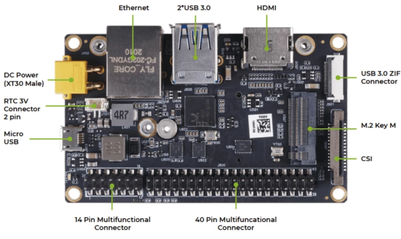
This is a carrier board that is compatible with the NVIDIA Jetson Nano/Xavier NX core module. It boasts a plethora of interfaces, including HDMI 2.0, Gigabit Ethernet, USB 3.0, USB 2.0 (with OTG functionality), M.2 key E PCIE, WIFI / BT, M.2 key M solid-state drive interface, CSI camera, RS232, SD card, CAN, GPIO, I2C, I2S, and even a cooling fan.

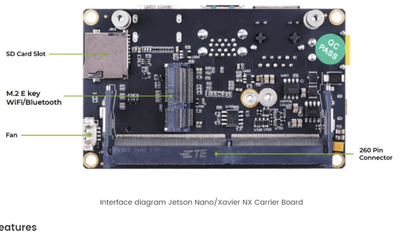
Once the NVIDIA Jetson Nano/Xavier NX core module is installed on this carrier board, it allows for the full potential of NVIDIA JetPack to be unlocked. This comprehensive software package includes the Board Support Package (BSP), Linux OS, NVIDIA CUDA, cuDNN, and TensorRT software libraries. These powerful tools can be utilized for deep learning, computer vision, GPU computing, multimedia processing, and more, enabling the realization of cutting-edge applications such as graphical AI.

This carrier board is particularly suitable for small-scale artificial intelligence graphics applications, such as smart city IoT edge devices, home robots, drones, unmanned boats, and autonomous submarines. Its versatility knows no bounds.



Dimension diagram of Jetson Nano/Xavier NX Carrier Board (Unit: mm)





Interface diagram Jetson Nano/Xavier NX Carrier Board

Features

- Compact size (87mm x 52mm x 26mm) saves installation space.
- Lightweight (100g) good for small AI or IoT Applications
- Compact & all-in-one design
- Equipped with an anti-fall aviation plug that supports high currents
- Cost-effective, suitable for narrow and small operation environments
- Additional USB 3.0 ZIF connector compared to its original version(A203)
- Certificate: FCC, CE, RoHS

Applications

- Home robots
- UAVs
- Unmanned boats
- Drone
- Unmanned submarines
- Sentiment Analysis

Specification

- Power Requirements: +9V to +19V DC Input@3A
- Network: Gigabit Ethernet Connector (10/100/1000)
- Video Output: HDMI
- USB
  - USB 3.0 Type A (Integrated USB 2.0)
  - USB 3.0 0.5mm pitch 20P ZIF
  - USB 2.0 I5 Pin
  - USB 2.0 Micro-AB
- M.2 KEY E PCIE: PCIE 2230 SIZE
- M.2 KEY M: M.2 KEY M (NVMe SIZE 2242 SSD)
- Serial: CAN
- Camera: CSI CAMERA
- I2S: I2S (3.3V Level)
- Misc
  - I2C Link (+3.3V I/O×2
  - GPIO ×6
  - UART ×1
  - SPI ×2
- Compatibility: Jetson Nano/Xavier NX
- Dimension: 87mm*52mm*26mm
- Weight: 100g

Documents

- Datasheet

Shipping List

- Jetson Nano/Xavier NX Carrier Board (A203) × 1
- Power Adapter 90W 19V (Power cable not included) × 1

AI Projects

Copyright © 2025 DFRobot. All rights reserved.