

## Yahboom Jetson Orin NX 8GB Development Kit for AI Edge Computing (Orin NX 8GB Basis Kit)



### Listing details

Reference Number: RF898957

#### Common

Price: \$ 809.99

Country: United States

Description:

## Yahboom Jetson Orin NX 8GB Development Kit for AI Edge Computing (Orin NX 8GB Basis Kit)

Experience Cutting-Edge AI Performance with Yahboom's Jetson Orin NX 8GB Development Kit. This kit is designed to unlock the power of artificial intelligence and edge computing, offering unparalleled performance and a compact size that revolutionizes the world of AI and robotics.

### Key Features:

- **AI Powerhouse:** The Orin NX 8GB boasts impressive AI capabilities, featuring a GPU with 1024-core NVIDIA Ampere architecture and 32 Tensor Cores, as well as a 6-core Arm Cortex-A78AE v8.2 64-bit CPU for robust processing.
- **Memory and Storage:** Equipped with 8GB of 128-bit LPDDR5 memory and supporting external NVMe storage, this kit ensures seamless multitasking and efficient data handling.
- **Complete Kit:** The Basis Kit includes the Orin NX 8GB core module, carrier board, IMX 219 77° camera, P-to-HDMI cable, acrylic case, 19V DC power supply, SSD, and Type-C cable.
- **Versatile Configurations:** Choose from different kit variations, including the Advanced Kit with additional components like an IMX219-77° camera, camera case, Mini PC Kit with a Jetson Mini Case and USB camera, and Ultimate Kit with a 15.6-inch display and wireless keyboard mouse set.
- **Performance Leap:** Orin NX surpasses its predecessors, outperforming AGX Xavier by 3x, Xavier NX by 5x, and nano B01 by an impressive 200x, making it an ideal choice for various

applications.

- **Compact and Efficient:** The development board is optimized for small, low-power robotics and autonomous machines, suitable for drones, handheld devices, manufacturing, logistics, retail, agriculture, medical, and more.
- **Deep Learning Acceleration:** The Ampere architecture GPU supports complex AI model development in natural language understanding, 3D perception, and multi-sensor fusion.

## Specifications:

- Brand: Yahboom
- Memory Storage Capacity: 8 GB
- Color: Orin NX 8GB Basis Kit
- Connectivity Technology: USB
- Included Components: IMX 219 77° camera, P-to-HDMI cable, Acrylic case, 19V DC power supply, SSD, Type-C cable, Orin NX

## What's Included:

- Basis Kit: Orin NX 8GB 16GB module, power adapter, antennas, wireless network card, solid-state drive, SSD radiator, DP to HDMI cable, Type-C cable, acrylic case
- Advanced Kit: Basis Kit + IMX219-77° camera and camera case
- Mini PC Kit: Basis Kit (excluding acrylic case) + Cube Jetson Mini Case and USB camera
- Ultimate Kit: Mini PC Kit + 15.6-inch display screen and wireless keyboard mouse set

## Unlock the Future of AI and Robotics with Yahboom's Orin NX 8GB Development Kit

This powerful kit empowers you to explore new realms of AI-driven possibilities, making advanced technology accessible to all. Revolutionize industries and drive innovation with the compact, efficient, and high-performance Orin NX 8GB Basis Kit.

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