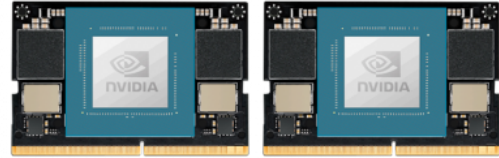


# Nvidia Jetson Orin Nano Developer Kit

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## Highlights

The Jetson Orin Nano 8GB module, equipped with a heat sink and reference carrier board, sets a new benchmark for building entry-level AI-powered robots, intelligent cameras and smart drones.

It streamlines the process of getting started with Jetson Orin Nano series modules. Its compact design, abundance of connectors, and AI performance of up to 40 TOPS, make it an ideal developer kit to transform your AI ideas into reality.

It is capable of running all the latest AI models, including transformer and advanced robotics models, with up to 80 times the performance of Jetson Nano.

Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.

- Powered by 1024 NVIDIA CUDA with 32 Tensor cores
- 6-core Arm Cortex-A78AE v8.2 - 64-bit CPU
- 8GB 128-bit LPDDR5 68 GB/s
- Supports NVMe SSD



**BLUE LINE**  
IT for Demanding Environments

- has more than 30 years experience
- delivers reliable IT solutions for demanding environments
- builds compact and high performance solutions
- focuses on long duration, 24/7-operation, and ruggedness
- is ISO 9001:2015-certified
- is known for providing the best assistance and services in all phases.

# Nvidia Jetson Orin Nano Developer Kit

## Specifications

### Model Type

Developer Kit

### Form Factor

Compact

### Construction

Carrier board

### Cooling

Heat sink with active FAN

### Environment

The developer kit is exclusively designed for testing environments in startups

### Certification

CE

### Processor

CPU: 6-core Arm Cortex-A78AE v8.2 64-bit  
GPU: NVIDIA Ampere architecture with 1024  
NVIDIA CUDA cores with 32 Tensor cores

### RAM

8GB 128-bit LPDDR5 - 68GB/s

### Storage

1 x MicroSD card slot  
1 x M.2 M key type for NVMe

### Input / Output

4 x USB Type A  
2 x MIPI CSI-2 22-pin camera connectors  
1 x USB 3.2 Gen2 Type-C connector for UFP  
1 x 1GbE via RJ45  
1 x DP 1.2 (+MST)

12-pin button header  
4-pin fan header  
DC power jack

Video Encode: 1080p30 supported by 1-2 CPU cores

Video Decode:  
1 x 4K60 (H.265)  
2 x 4K30 (H.265)  
5 x 1080p60 (H.265)  
11 x 1080p30 (H.265)

### Expansion

M.2 M key type slot with 4 x PCIe Gen3  
M.2 M key type slot with 2 x PCIe Gen3  
M.2 E key type slot  
40-pin expansion header (UART, SPI, I2S, I2C, GPIO)

### Operating System

Please refer to the software features section of the latest NVIDIA Jetson Linux developer guide for a list of supported features.

### Power Supply

AC to DC power supply

### Power Consumption

7W-15W

### Dimension and Weight

Dimension H 21 x W 100 x D 79mm  
Weight TBD

### Accessories Included



# Nvidia Jetson Orin Nano Developer Kit

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DC power supply  
802.11ac/abgn wireless network interface controller

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## Warranty and After Sales Support

Standard 1 year



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