Nvidia Jetson AGX Orin Developer Kit

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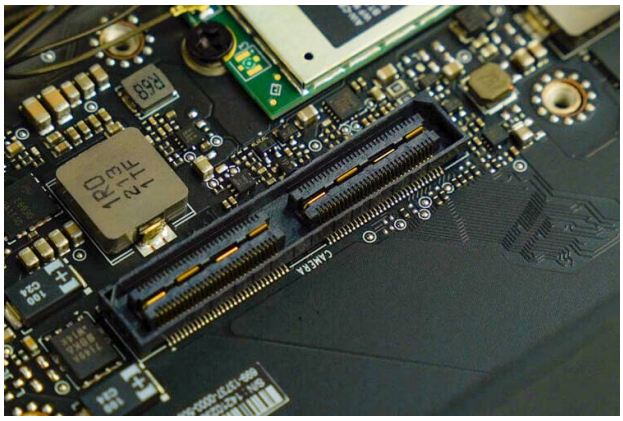

Highlights

Introducing the Jetson AGX Orin 64GB module with a heat sink and reference carrier board, this developer kit sets a new benchmark for building entry-level AI-powered robots, intelligent cameras, and smart drones. Its powerful combination simplifies the process of getting started with Jetson Orin, making it easier than ever before.
With its compact size and numerous connectors, this developer kit offers unparalleled flexibility and convenience. But what truly sets it apart is its impressive AI performance, capable of delivering up to 275 TOPS. This makes it the perfect choice for prototyping advanced AI-powered robots and autonomous machines, pushing the boundaries of what's possible in the field.

Additionally, this kit goes beyond its primary function. It also has the unique ability to simulate Orin NX and Orin Nano, expanding its versatility and allowing developers to experiment with different configurations and capabilities. With the Jetson AGX Orin 64GB module, the possibilities are endless.

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.

• 2048 NVIDIA CUDA cores with 64 Tensor cores

• 12-core Arm Cortex-A78AE v8.2 64-bit CPU

• 2x NVDLA v2.0

• PVA v2.0

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• 64GB 256-bit LPDDR5

• 64GB eMMC 5.1

Specifications

Model Type

Developer Kit

Form Factor

Compact

Cooling

Heat sink with active FAN

Certification

CE

Processor

CPU	12-core Arm Cortex-A78AE v8.2 64-bit
GPU	2048-core NVIDIA Ampere architecture GPU with 64 Tensor cores

RAM

64GB 256-bit LPDDR5

Storage

64GB eMMC 5.1

Input / Output

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Front	Power, Force Recovery, and Reset buttons
	MicroSD slot, UHS-1 cards up to SDR104 mode

Expansion

PCIe x8 Gen4 in x16 slot

1 x M.2 M key PCIe x4 Gen4

1 x M.2 E key PCIe x1 Gen4 (USB 2.0, UART, I2S)

Operating System

NVIDIA JetPack SDK

Power Supply

AC to DC power adapter with USB-C cable

Power Consumption

Up to 60W

Dimension and Weight

110mm x 110mm x 71.65mm

(Height includes feet, carrier board, module, and thermal solution)

Accessories Included

802.11ac/abgn wireless network interface controller

Power adapter and USB type-C cord

USB type-C to USB Type-A cord

Warranty and After Sales Support

Standard 1 year

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