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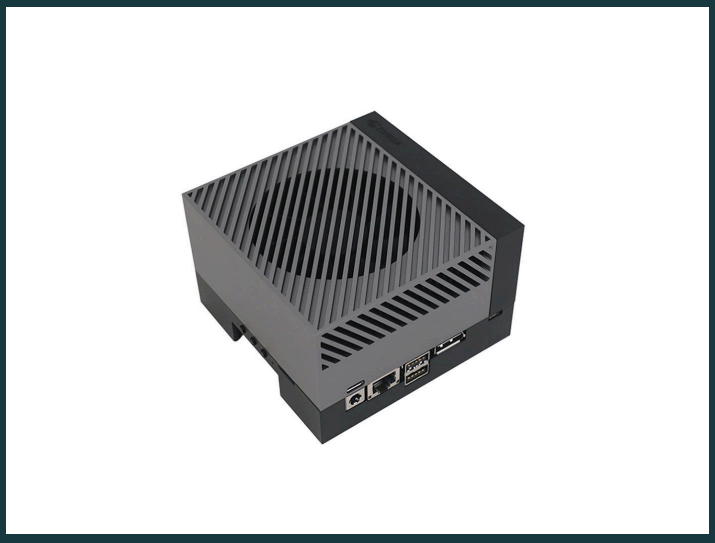
INDUSTRIAL PRODUCT DATASHEET

NVIDIA® Jetson AGX Orin™ Developer Kit: smallest and most powerful AI edge computer

Smallest and most powerful AI edge computer with up to 275 TOPS, 64GB LPDDR5, and Jetpack 6.2 for Isaac robotics and Metropolis smart cities.

SKU	UPDATED	PRICE
110991725	2026-07-07 08:35:15	$1999.00(Excl. VAT)



Overview



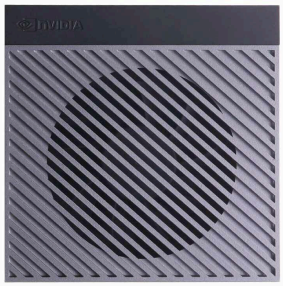
The NVIDIA® Jetson AGX Orin™ Developer Kit is the most powerful AI edge computer, delivering up to 275 TOPS with configurable power between 15W and 60W, 64GB LPDDR5 memory, and 204 GB/s bandwidth. It offers high-speed interfaces including PCIe x16, 1x 10GbE, 16 lanes MIPI CSI-2, and supports Jetpack 6.2 for robotics and smart city applications.

Key Features

Note

- For mass-volume deployment with simalor compact-size form factor, please find **reComputer Jetson AGX Orin™ Developer Kit Bundle**, featuring NVIDIA Jetson AGX Orin 32G and AGX Orin 64G. The kit can be deployed in environment up to 60°C ambient temperature.
- For production-ready AI computing power, please find **reComputer Robotics J501** for real-world robotics and autonomous-driving applications, pre-installed with Jetpack 6.2.
- NVIDIA® Jetson AGX Orin™ 64GB Developer Kit-Maximum purchase per account: 1pcs.
- Most powerful AI computer for edge computing: up to 275 TOPS, 8 times AI performance compared to Jetson AGX Xavier. Power configurable between 15W and 60W.
- Onboard memory: With onboard 64GB LPDDR5, 204 GB/s of memory bandwidth, and 64 GB of eMMC 5.1.
- High-speed interface support for multiple sensors: PCIe x 16 Connector, 1x 10GbE, 1x Display Port, 16 lanes of MIPI CSI-2, USB 3.2 interfaces, and a 40-pin header.
- Support Jetpack 6.2: Includes Jetson Linux 36.4.4 featuring Linux Kernel 5.15, UEFI based bootloader, Ubuntu 22.04 based root file system, NVIDIA drivers, necessary firmwares, toolchain and more.

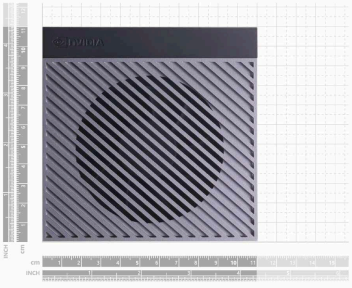
Product Gallery











Specification

Jetson AGX Orin Module System on Module	
AI Perfromance	Jetson AGX Orin 64GB - 275 TOPS

GPU	NVIDIA Ampere architecture with 2048 NVIDIA® CUDA®cores and 64 Tensor cores	
CPU	12-core Arm Cortex-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3	
DL Accelerator	2x NVDLA v2.0	
Vision Accelerator	PVA v2.0	
Memory	64GB 256-bit LPDDR5 204.8GB/s	
Storage	64GB eMMC 5.1	
Video Encode	2x 4K60 | 4x 4K30 | 8x 1080p60 | 16x 1080p30 (H.265)	
Video Decode	1x 8K30 | 3x 4K60 | 6x 4K30 | 12x 1080p60 | 24x 1080p30 (H.265)	
Power	15W-60W	
Carrier Board		
Storage		1x M.2 Key M - 4 x PCIe Gen 4 (SSD module not included)
Network	Ethernet	1x RJ45 - Up to 10GbE
	M.2 KEY E	1x PCIe Gen 4, USB 2.0, UART, I2S (Wireless module included)
I/O	USB	2x USB 3.2 Gen2 Type-C 2x USB 3.2 Gen2 Type-A 2x USB 3.2 Gen1 Type-A USB 2.0 Micro-B
	Camera	16 lane MIPI CSI-2 connector
	Display	DisplayPort 1.4a (+MST)
	Fan	1x 4-pin Fan header
	PCIe	16x PCIe slot supporting: 8x PCIe Gen4
	RTC	2-pin RTC battery backup connector
	microSD slot	UHS-1 cards up to SDR104 mode
	Other	40-pin header (I2C, GPIO, SPI, CAN, I2S, UART, DMIC) 12-pin automation header 10-pin audio panel header 10-pin JTAG header DC power jack Power, Force Recovery, and Reset buttons
Power		12-36V
Dimension		110mm x 110mm x 71.65mm (Height includes feet, carrier board, module, and thermal solution)

Applications

- **Isaac for robotics**
- **Metropolis for smart cities**

Part List

NVIDIA Jetson AGX Orin Developer Kit	x1
Power Adapter AC Power Brick 90W	x1
USB-C Cable	x1
Type B (US, CA, JP) Power Cable	x1
Type I (CN) Power Cable	x1
Type B (TW) Power Cable	x1
UPC Label	x1
Quick Start and Support Guide	x1

Compliance & Logistics



HSCODE	8517180050
USHSCODE	8517180050
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/NVIDIA-Jetson-AGX-Orin-Developer-Kit-p-5314.html
- NVIDIA Jetson AGX Orin Specification
- NVIDIA Jetson AXG Orin 3D file

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