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INDUSTRIAL PRODUCT DATASHEET

# NVIDIA® Jetson AGX Orin™ 64GB Developer Kit Bundle |945-13730-0050-000

NVIDIA® Jetson AGX Orin™ 64GB Developer Kit Bundle |945-13730-0050-000: up to 275 TOPS edge AI computer with 64GB LPDDR5, 204 GB/s memory bandwidth, and JetPack 6.2 support for building autonomous physical AI and...

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# Overview




The NVIDIA® Jetson AGX Orin™ 64GB Developer Kit Bundle |945-13730-0050-000 delivers up to 275 TOPS of AI performance with power configurable between 15W and 60W, onboard 64GB LPDDR5, 204 GB/s memory bandwidth, and 64 GB eMMC 5.1. It supports high-speed interfaces including PCIe x16 Connector, 1x 10GbE, 1x Display Port, 16 lanes of MIPI CSI-2, USB 3.2, and a 40-pin header, and includes JetPack 6.2 with Jetson Linux 36.4.4, Linux Kernel 5.15, UEFI based bootloader, Ubuntu 22.04 based root file system, NVIDIA drivers, necessary firmwares, and toolchain.

# Key Features

01 **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.

02 **Onboard memory**

With onboard 64GB LPDDR5, 204 GB/s of memory bandwidth, and 64 GB of eMMC 5.1.

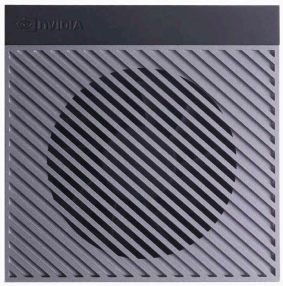
03 **High-speed interface support for multiple sensors**

PCIe x 16 Connector, 1x 10GbE, 1x Display Port, 16 lanes of MIPI CSI-2, USB 3.2 interfaces, and a 40-pin header.

04 **Support Jetpack 6.2**

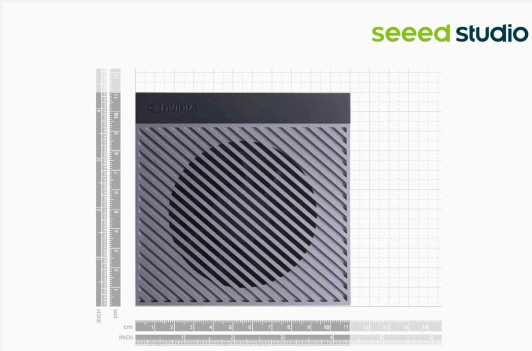
Includes Jetson Linux 36.4.4 featuring Linux Kernel 5.15, UEFI based bootloader, Ubuntu 22.04 based root file system, NVIDIA drivers, necessary firmwares, toolchain and more.

# Product Gallery










# Applications

- **NVIDIA AI software stack:** The NVIDIA AI software stack is designed to accelerate AI application and deployment.
- **Jetson Platform Services:** Leverage Jetson Platform Services that provides platform to simplify development, deployment and management of Edge AI applications on NVIDIA Jetson like BEV sensing demo with 4 USB cameras.
- **Jetson AI Lab for Generative AI and Computer Vision Models deployment:** Go to Jetson AI lab for one-line deploy projects edge AI applications of generative AI including Ollama, Llama3; computer vision including YOLOv8; and others.
- **Building Autonomous Physical AI**
- **Next-level AI Robotics Performance**

# Resource Links

- https://www.seeedstudio.com/NVIDIAr-Jetson-AGX-Orintm-64GB-Developer-Kit-Bundle.html
- Datasheet
- 3D File
- Getting Started
- Jetpack Download
- Jetpack Archive
- Seeed NVIDIA Jetson Hardware Catalog

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