seeed studio

INDUSTRIAL PRODUCT DATASHEET

NVIDIA® Jetson Xavier™ NX Developer Kit

A compact, high-performance AI development kit with over 10X Jetson TX2 performance, full NVIDIA software stack support, and seamless cloud connectivity via Nimbus for ROS projects.

SKU	UPDATED	PRICE
102110427	2026-06-10 12:16:06	$399.00(Excl. VAT)



Overview



The NVIDIA Jetson Xavier NX Developer Kit features a compact Jetson Xavier NX module delivering over 10X the performance of Jetson TX2 for advanced AI applications with low power consumption, and includes an onboard fan for improved heat dissipation. It supports the entire NVIDIA software stack including JetPack SDK for easy development, deployment, and management of edge AI projects, with a flexible platform offering continuous updates.

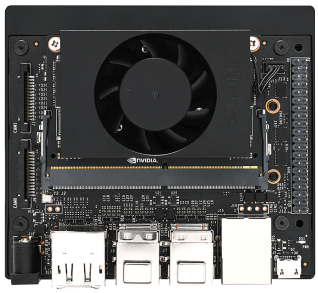
Key Features

- Compact size Jetson Xavier NX module powerful enough for advanced AI applications with low power consumption
- Supports Entire NVIDIA Software Stack for application development and optimization
- Rich I/O Peripherals to further expand AI projects
- Onboard Fan to provide better heat dissipation
- More than 10X the performance of Jetson TX2
- Enables development of AI applications using NVIDIA JetPack™ SDK
- Easy to build, deploy, and manage AI at the edge
- Flexible and scalable platform to get to market with reduced development costs
- Continuous updates over the lifetime of the product
- Compatible with **Nimbus**: connect your ROS project to the cloud

Product Gallery

















Specification

GPU	NVIDIA Volta architecture with 384 NVIDIA CUDA® cores and 48 Tensor cores
CPU	6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6 MB L2 + 4 MB L3
DL Accelerator	2x NVDLA Engines
Vision Accelerator	7-Way VLIW Vision Processor
Memory	8 GB 128-bit LPDDR4x @ 51.2GB/s
Storage	microSD (Card not included)
Video Encode	2x 4K @ 30 | 6x 1080p @ 60 | 14x 1080p @ 30 (H.265/H.264)
Video Decoder	2x 4K @ 60 | 4x 4K @ 30 | 12x 1080p @ 60 | 32x 1080p @ 30 (H.265)
	2x 4K @ 30 | 6x 1080p @ 60 |16x 1080p @ 30 (H.264)
Camera	2x MIPI CSI-2 D-PHY lanes
Display	HDMI and DP
Connectivity	10/100/1000 Base-T Gigabit Ethernet
	M.2 Key E (WiFi/BT included)
	M.2 Key M (NVMe)
I/O	4x USB 3.1 Gen2 Type A
	USB 2.0 Micro-B
	HDMI/DisplayPort
	40-pin header (GPIOs, I2C, I2S, SPI, UART)
	2x MIPI-CSI camera connector
	Fan connector
Interfaces	GPIOs, I2C, I2S,SPI, UART
Power Supply	DC Jack (9V - 19V)
Dimensions	103 mm x 90.5 mm x 31 mm

Part List

- 1 x NVIDIA® Jetson Xavier™ NX Module
- 1 x Reference Carrier Board
- 1 x Quick Start Guide
- 1 x Support Guide
- 1 x Power Adapter: AC power brick with power cord

Compliance & Logistics



HSCODE	8517180050
USHSCODE	8517180050
UPC	
EUHSCODE	8543709099
COO	CHINA

Resource Links

- https://www.seeedstudio.com/NVIDIA-Jetson-Xavier-NX-Developer-Kit-p-4573.html
- User Guide

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com