AUVIDEA
audio video media

Development System

X230D NVIDIA Jetson AGX Orin system
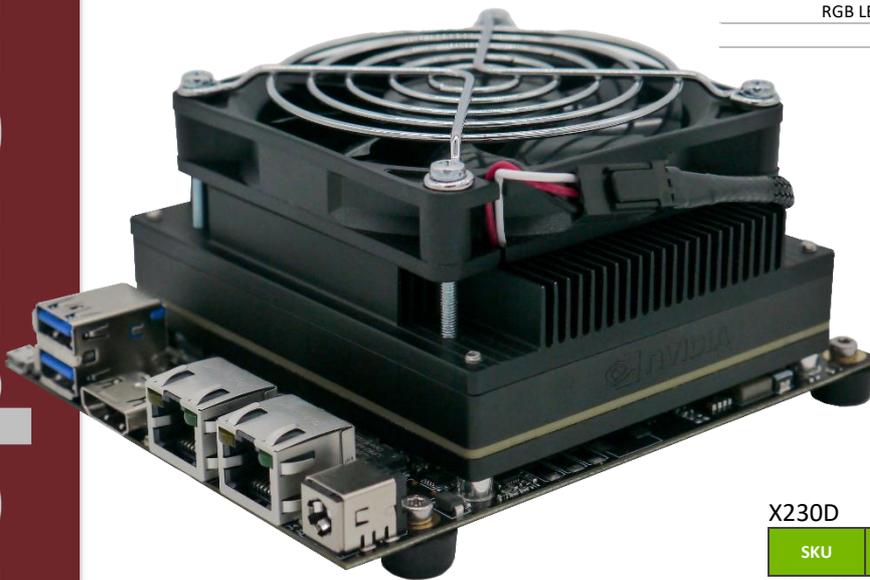
Development board with the AGX Orin

This system lets you dive into AI with ease. It allows you to explore AI applications like people detection, face masking and more. The full suite of NVIDIA SDKs may be installed. The X230D features an industrial strength design and is commercially deployable in any volume.

Features:

▲ Easily migrate your exiting AGX Xavier platform based on X221(D) to the new AGX Orin
▲ Production volume is easily scalable as only components are used which are readily available
▲ Industry standard CSI-2 connectors to interface with:
  ▶ RPi-camera modules
  ▶ ArduCam, Vision Components, Framos, Basler, Allied Vision image sensors
  ▶ FPD-Link III
▲ Crypto chip to protect your software investment
▲ Designed and manufactured in Germany

Technical Specifications

Description	X230D
Operating Voltage	12V
Fan connector	yes
Jetson power modes	15W-60W
RTC super cap	200mF
Rechargeable lithium cell (MS621FE)	optional
Revers voltage protection	yes
Overvoltage protection	yes
HDMI out	1x
USB 2.0	1x (micro)
USB 3.1	2x (type A)
MCU	yes
GbE (RJ45)	2x (RTL8111 PCIe to GbE)
PCIe x1	1x FPC 22 pin(J37)
PCIe x4	1x FPC 40 pin (J20)
CAN (RX/TX only)	1x
CAN	1x
UART	1x
I2C	2x
CSI-2	2x (4 lanes, 22 pin)
Auto flashing	yes
Debug port	yes
Fan connector (12V, PWM)	1x
RGB LED (GPIO controlled)	yes
Size	125x104.6mm

X230D

SKU	Kit	Compute module	SSD
70885-32	X230D-AGX32	AGX Orin 32GB	/
70885-32-128	X230D-AGX32-128GB	AGX Orin 32GB	128GB
70885-32-2T	X230D-AGX32-2TB	AGX Orin 32GB	2TB

Each system includes

▪ X230D carrier board
▪ compute module (AGX Orin 32GB)
▪ Transcend NVME M.2 SSD (PCIe x4), depending on configuration
▪ custom designed heatsink and standard fan (80x80mm)
▪ 12V 60W power supply (FSP060-DHAN3)

The X230D is specially designed for the AGX Orin and is not fully compatible with the AGX Xavier! For the AGX Xavier please choose the X221D which features the same layout and specification.

*Available with alternative and fully populated versions

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