

Embedded system for NVIDIA® Jetson AGX Orin™

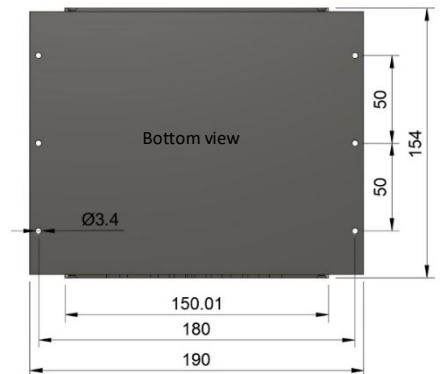
This system lets you dive into AI with ease. It allows you to explore AI applications like people detection, face masking and more. The full suite of NVIDIA SDKs may be installed. The ES-X230D features an industrial strength design and is commercially deployable in any volume.

Features:

- ▲ Easily migrate your exiting AGX Xavier platform based on X221(D) to the new AGX Orin platform X230D
- ▲ Production volume is easily scalable as only components are used which are readily available
- ▲ Integrated X230D carrier board in a black aluminum enclosure:
 - ▶ Custom front and back plates with your logo possible
- ▲ Crypto chip to protect your software investment
- ▲ Designed and manufactured in Germany

Technical Specifications

Description	X230D
Module compatibility	AGX Orin (config 2)
AGX Orin power modes	15W-60W
HDMI out	1x 4kp60
USB 2.0	1x (micro, OTG)
USB 3.1	2x (type A)
GbE	2x RJ45 (RTL8111 PCIe to GbE)
M.2	1x Key M 2280 NVME (PCIe x4)
MicroSD	1x (internal), UFS
MCU	yes
Crypto chip	1x (ATSH204A)
Autoflashing	yes
RGB LED	yes (GPIO controlled)
Operating Voltage	12-20V (5.5/2.5mm plug)
RTC rechargeable lithium cell	optional (MS621FE)
Overvoltage protection	yes
Reverse voltage protection	yes
RTC supercap	200mF
Size	190x154x60mm



X230D-AI

- ▲ Safety MCU
- ▲ LM823 WIFI module (optional x2)
- ▲ GPIO module optional (38543)

Each system includes

- ▲ X230D carrier board
- ▲ NVIDIA Jetson AGX Orin compute module
- ▲ 128GB/2TB Transcend NVME M.2 SSD (PCIe x4) if selected

ES-X230D-Orin embedded system

SKU	Part	SSD
70891-Orin32	ES-X230D-Orin32	-
70891-Orin32-128	ES-X230D-Orin32-128GB	128GB
70891-Orin32-2	ES-X230D-Orin32-2TB	2TB
70891-Orin64	ES-X230D-Orin64	-
70891-Orin64-128	ES-X230D-Orin64-128GB	128GB
70891-Orin64-2	ES-X230D-Orin64-2TB	2TB



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