



Product Brief

SagireEdge AI 200 Industrial Platform

Powered by the NVIDIA Jetson™ Orin NX

Highlights

- High performance AI Edge computing
- Support for AI deep learning training models
- Linux OS with BSP (Board Support Package)
- Fanless design
- NVIDIA Jetson™ Orin NX with 8GB or 16GB modules with up to 100 TOPS
- A range of external interfaces, including a dual Ethernets, 4 USB 3.1, micro HDMI and digital I/O.
- Extended temperature range

Features

The SagireEdge™ AI 200 industrial platform is an embedded development and deployment solution based upon NVIDIA's Jetson™ Orin NX SOM and brings true AI computing at the edge with up to 100 trillion operations per second (TOPS).

The SagireEdge AI 200 features up to 4K video encoding/decoding & streaming, two RJ45 Ethernet I/Fs, micro-HDMI, one USB 2.0, four USB 3.1, 8 GPIO and M.2 PCIe SSD support.

The SagireEdge AI 200 industrial platform SDK provides an optimized stack that supports modeling, deployment, and execution. The optimised libraries and infrastructure accelerates the development and distribution of cloud-to-edge industrial AI applications.

The wall-mounted brackets, fanless design and industrial specifications make the platform easy to install in harsh environments that require Edge AI applications, such as smart cities, traffic monitoring,



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Specifications

System	Processor	NVIDIA's Jetson™ Orin NX 6 x Cortex-A78AE 5.5MB cache (8GB Version) 8 x Cortex-A78AE 6MB cache (16GB Version) Ampere GPU (1024 Cores)
	Supported OS	Ubuntu 20.04 w/ Jetson Jetpack 5.1.2
	Memory	8GB/16GB LPDDR5
	Storage	256GB SSD
I/O	Ethernet	2x RJ45 Gigabit Ethernet
	USB	1 x USB 2.0 Micro-B 4 x USB 3.1 Gen1 Type A
	HDMI	1 x Micro HDMI
	Digital I/O	8 x Digital IO (4 x DI 4 x DO)
	DC Power	12V-19v DC
Video	Compression	H.265, H.264, & AV1 encoders
	Video Decode	8K @ 30fps/4K @ 60fps/2 x 4K @ 30fps/18 x 1080p @ 30fps
	Video Encode	4K @ 60fps/2 x 4K @ 30fps/12 x 1080p @ 30fps
Operating Environment	Temperature	-20~ 60 °C

Purchasing Information

Model	Part Number	Processor
SagireEdge AI 200 Industrial Platform	SEA208-IP	NVIDIA Jetson Orin NX 8GB (70 TOPS)
SagireEdge AI 201 Industrial Platform	SEA216-IP	NVIDIA Jetson Orin NX 16GB (100 TOPS)



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