NEXCOM Edge AI Solutions with NVIDIA® Jetson™

NEXCOM is deeply committed to delivering rugged edge computing platforms that expedite the deployment of AI inference in harsh. Build with NVIDIA Jetson™ modules, NEXCOM offers a wide-ranging product portfolio that caters to various application needs, providing AI performance ranging from 20 TOPS to 275 TOPS. Whether it's enabling intelligent transportation, improving public safety, maximizing production efficiency, predicting abnormal asset condition or optimizing patent recognition, NEXCOM's diverse selection of Jetson™ modules with integrated industrial interfaces plays a pivotal role in deploying AI workload across multiple industries in field. Their dedication to providing top-tier edge AI solutions ensures that businesses can harness the full performance of AI models with efficiency and value-conversion at the forefront.

Get New HOT NOW

Key Advantages of the NEXCOM's Edge AI Platform Offerings

✅ **Extensive Product Line Up**

NEXCOM offers a diverse range of options, including devices powered by NVIDIA$^®$ Jetson AGX Orin™, Jetson Orin™ NX, Jetson Xavier™ NX, Jetson Orin™ Nano, and Jetson™ TX2, providing flexibility and scalability to meet various AI performance in model training or inference tasks.

✅ **Designed for Harsh Environment**

With a wide temperature range (OT -20/-30°C~70°C) and an IP67 rating (on selected models), NEXCOM's Edge AI platforms excel in critical missions and throughout their life cycle.

✅ **Unleashing the Potential of Software-Defined Controller**

In every Edge AI platforms with Jetson modules, NEXCOM offers NEXCOM Accelerator Linux (NAL), an optimized Ubuntu 20.04 LTS derived from the Jetpack SDK. Programmers can access the pre-approved 5G, Wi-Fi, GNSS, IMU and even CAN bus, MCU, I/O interfaces, power management module and more peripherals through in-house design utility and APIs. The physical signals from peripherals and sensors can be used as data sources for AI inference engine, requiring limited knowhow of hardware installation and configuration.

✔ Enabling Cloud and Container Technologies

The NAL can run containers for AI inference engine, IoT connectivity, datasets storage, ETL, and other applications as microservices in edge deployment. By installing the IoT/Cloud agent, the developers can deploy containers from Cloud service using OTA (Over the Air) technologies.

✔ Validated Peripherals for High Expansion Capabilities

NEXOCM's Edge AI platform accommodates a wide range of validated peripherals ports such as USB, Isolated CAN Bus, RS-232 and DI/O. It also features LTE, 5G, Wi-Fi, Ignition control, PoE+ for IP Camera or MIPI interface Camera, storage and GNSS, making the platform versatile for a multitude of applications.

✔ Certified for Vertical Applications

To ensure product reliability and safety, NEXCOM's AI platforms are certified for in-vehicle/rail applications with CE/FCC, UKCA, E13, EN50155, EN45545-2, MIL-STD-810H certifications.

Focused Vertical Applications

As we journey towards the future, NEXCOM is dedicated to bringing intelligence to transportation and AIoT autonomous machines applications. We support our business partners in further promoting edge AI computing for various sectors, including smart bus transit, smart rail transit, AI-aided public works, smart AI patrol, port management, warehouse management, fleet management, earth moving vehicles, and more.

Smart Bus Transit

Smart Rail Transit

AI-aided Public Work

Smart AI Patrol

Port Management

Warehouse Management

Recommended Models

ATC 3750-A6CR

NVIDIA® Jetson AGX™ Orin
Edge AI Rail Computer

Learn More

ATC 3750-6C

NVIDIA® Jetson AGX™ Orin
Edge AI Computer

Learn More

ATC 3540-IP7-AI4CR

NVIDIA® Jetson Orin™ NX
Edge AI Rail Computer

Learn More

ATC 3540-IP7-4C

NVIDIA® Jetson Orin™ NX
Edge AI Computer

Learn More

ATC 3540-IP7-3M

NVIDIA® Jetson Orin™ NX
Edge AI Computer

ATC 3530-IP7-4M

NVIDIA® Jetson Xavier™ NX
Edge AI Computer

ATC 3530-IP7-4C

NVIDIA® Jetson Orin™ NX
Edge AI Computer

PoE

IP67

ATC 3520-IP7-AI4CR

NVIDIA® Jetson Orin™ Nano
Edge AI Rail Computer

PoE

EN 50155
EN50155

IP67

ATC 3520-IP7-4C

NVIDIA® Jetson Orin™ Nano
Edge AI Computer

PoE

IP67

ATC 3520-IP7-3M

NVIDIA® Jetson Orin™ Nano
Edge AI Computer

MIPI

IP67

ATC 3200

PoE

MIPI

NVIDIA® Jetson™ TX2 Edge AI Computer

Learn More

@ **contact@nexcom.com**
Monday-Friday. 9am-6pm

Request a quote
Get all the information