

# ADS Platform

<u>제품명</u>	자율주행 시스템 플랫폼
<u>컨셉</u>	스케이트보드의 SW,HW 개발을 지원하기 위한 개방형 AI 컴퓨팅 플랫폼
<u>과제명</u>	중형방향 연동기반 산업용 자율주행 및 안정성 확보기술 개발



## 주요 사양

## 상세 설명

### Function

A specialized autonomous driving system platform designed for industrial and logistics vehicles operating in designated areas. It integrates perception, control, and decision-making software and hardware modules to implement autonomous driving tasks.

### Processor / MCU

NVIDIA Jetson AGX Orin SOM

Infineon Aurix MCU

\*Supports ASIL-level safety based on ISO standards for system reliability and fault-handling.

### Networking

1GbE x3 – Ethernet (RJ45)

10GbEx1 – Ethernet (RJ45)

\*Orin SOM2 MCUs communicate internally without external wiring.

### External Peripheral

USB A x1 Host only, USB A x1 Download only, USB-C, UART, CAN FD x10CH(ORIN x2/MCUx8)

### Car I/O

Power input 12V, ACC ON, External GPS interface, Emergency input etc.