



AlxCore

Real-Time Industrial Edge Intelligence



Product Overview

AlxCore is an industrial AI edge compute unit powered by NVIDIA Jetson Orin AGX.

AlxCore delivers real-time machine vision, robotics processing, isolated power architecture and integrated industrial Ethernet

AlxCore is reliable edge intelligence to modern factory automation

Why AlxCore?

- Fully Electrically Isolated
- Industrial 5-Port Ethernet Switch
- Modular Industrial Design
- 12 V and 24 V Isolated Power Rails
- Real-time AI Interface

Key Features

- ◆ **Real-time Machine Vision**
Ultra-fast inference for high speed inspection and defect detection
- ◆ **Isolated Power Architecture (12V/24V)**
Electrically Isolated rails for noise, surge and fault protection
- ◆ **Modular Industrial Design**
Eliminate dependency on physical cameras during development and testing.
- ◆ **Integrated Industrial Ethernet Switch (5-port)**
Deterministic, low latency network communication for sensors and factory systems
- ◆ **Robotics AI Processing**
Low-latency execution and accurate motion intelligence for industrial robots and cobots
- ◆ **Rugged Industrial Hardware**
Thermal stability, shock resistance, and 7/24 operational reliability
- ◆ **Secure and Reliable Edge Computing**
Hardware-level isolation and deterministic factory AI performance

Applications

- Automated Material Handling
- Predictive Maintenance
- Robotics
- Defect Detection

Empowering the Future of Machine Vision

**Innovate Faster.
Test Smarter.
Deploy Confidently.**

Let's Talk

Want to see AlxCore in action?



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