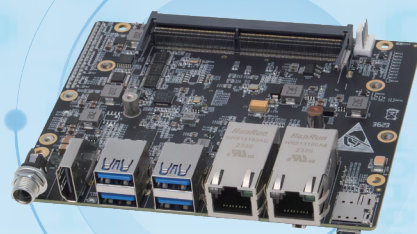


Y-C11

Carrier Board



Key Feature

- Compatible with Jetson™ Orin NX / Orin Nano
- Display: 1×HDMI
- Rich I/O: 2×RJ45 (Independent Bandwidth), 4×USB3.0 Type-A (Independent Bandwidth), 1×Micro USB, 1×CAN, 4×GPIO, 2×I2C, 2×SPI, 1×I2S, 2×UART
- Expansion Slots: 1×miniPCle, 2×M.2 M 2242, 1×M.2 B 3050
- Camera: 2×4 Lane MIPI CSI
- Operating Temperature: -40°C ~ +85°C
- Input Voltage: DC 12V ~ 24V

Introduction

Y-C11 is a high-compatibility edge AI carrier board built for NVIDIA® Jetson™ Orin NX / Orin Nano, offering rich I/O and flexible expansion for industrial automation, machine vision, logistics, intelligent transportation and smart cities.

It adopts industrial-grade high-reliability design with ESD, over-voltage and reverse polarity protection, using wide-temperature components to ensure stable performance. The board provides dual independent Gigabit ports with optional PoE support and MIPI CSI for industrial cameras. It supports 4G/5G via M.2 B and offers miniPCle and dual M.2 M slots for expanding networking, storage, audio/video capture and multi-serial modules.



Website



Unmanned delivery vehicle



Delivery robots



Visual inspection

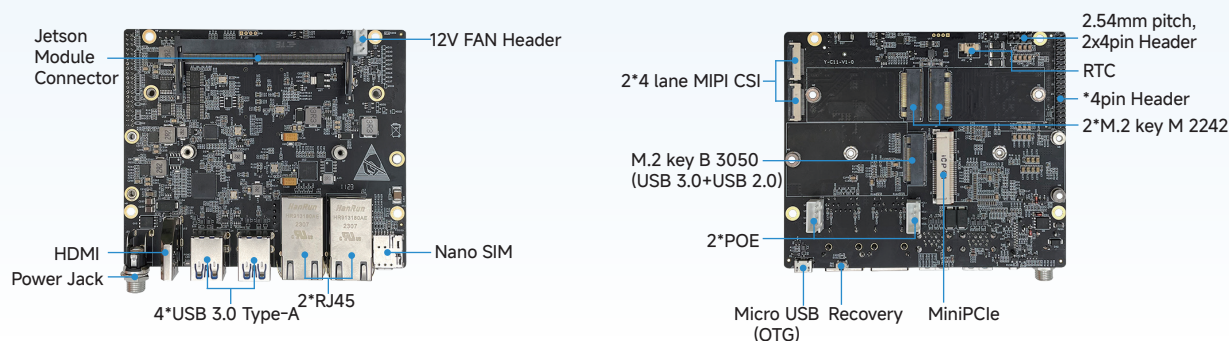


Intelligent Driving

Specifications

Module	Jetson Orin Nano/Orin NX
Display	1 x HDMI
USB	4x USB3.0 Type-A(Independent Bandwidth), 1x Micro USB(OTG)
Networking	2x RJ45 (Independent Bandwidth)
Button	1x Recovery
Camera	2x 4 Lane MIPI CSI
Expansion	1x miniPCIe, 2x M.2 Key M (2242) 、1x M.2 Key B (3050) 、1x Nano SIM
Functional Signals	1x CAN、4x GPIO、2x I2C、2x SPI、1x I2S
Serial Ports	2x UART 3.3V
Temperature	-40°C~+85°C
Dimensions	120mm × 100mm × 25.1mm
Power	DC+12V ~ +24V
Weight	112g

Interfaces



Dimensions

