

Y-C13 Carrier Board



Key Feature

- Compatible with Jetson™ AGX Orin / AGX Xavier
- Display: 1×HDMI
- Rich I/O: 2×RJ45, 2×USB3.0 Type-A, 2×USB2.0 Type-A, 1×Micro USB, 1×Micro SD, 9×GPIO, 3×I2C, 1×SPI, 1×I2S, 3×UART
- Expansion Slots: 2×miniPCIe, 1×M.2 M 2280
- Operating Temperature: -40°C ~ +85°C
- Input Voltage: DC 12V

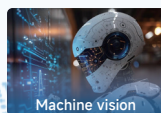
Introduction

Y-C13 is a high-compatibility edge AI carrier board designed for NVIDIA® Jetson™ AGX Orin / AGX Xavier, with rich I/O and strong expansion capabilities for medical imaging, industrial inspection, smart surveillance and intelligent in-vehicle systems.

It features industrial-grade high-reliability design with ESD, over-voltage and reverse polarity protection, and wide-temperature components for stable operation in harsh environments. A Nano SIM slot enables 4G communication. Dual miniPCIe and M.2 M slots support flexible expansion of multi-channel Gigabit Ethernet, high-capacity storage, audio/video capture, multi-serial and AD acquisition modules.



Website



Machine vision



Robot Control



Logistics AGV

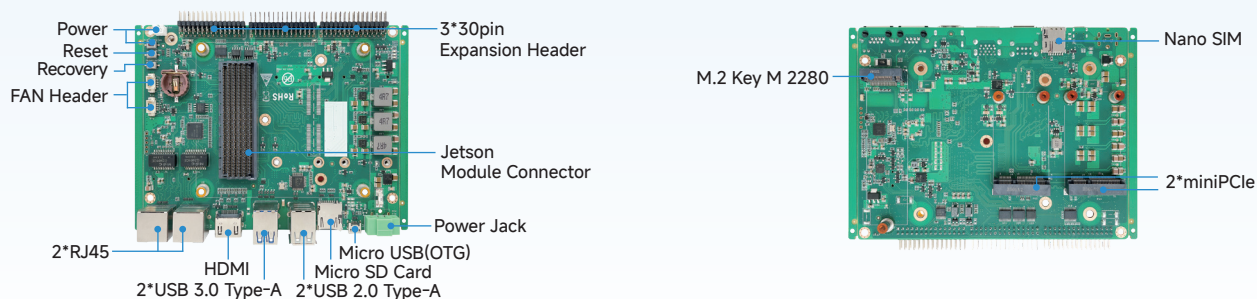


Intelligent Driving

Specifications

Module	Jetson AGX Orin/AGX Xavier
Display	1 x HDMI
USB	2x USB3.0 Type-A、2x USB2.0 Type-A、1x Micro USB(OTG)
Networking	2x RJ45
SD Card	Micro SD
Button	1x Power、1x Recovery、1x Reset
Expansion	2x miniPCIe、1x M.2 KEY M(2280)、1x nano SIM
Functional Signals	9xGPIO、3xI2C、1xSPI、1xI2S
Serial Ports	3xUART 3.3V
Temperature	-40°C~+85°C
Dimensions	147mm×115mm×26.6mm
Power	DC +12V
Weight	140g

Interfaces



Dimensions

