

Y-C26 Carrier Board



Key Feature

- Compatible with NVIDIA® Jetson™ Orin NX/Orin Nano
- Display: 1x HDMI
- Rich I/O: 3x USB 3.0 Type-A, 2x RJ45, 1x USB2.0, 2x GPIO, 2x RS232, 1x CAN etc
- Expansion Slots: 1x M.2 M Key (2280), 1x M.2 E Key (2230)
- Camera: 2x Mini-FAKRA
- Operating Temperature: -25 ~ +60°C
- Input Voltage: DC 9V ~ 16V

Introduction

The Y-C26 is an edge AI carrier board designed for the NVIDIA Jetson Orin NX and Orin Nano system-on-modules. Measuring 110 × 100 × 23.6 mm, it provides a rich interface set and flexible expansion for edge computing applications such as autonomous mobile robots, in-vehicle perception systems, industrial vision inspection, and intelligent patrol.

The board features two Mini-FAKRA camera interfaces for connecting GMSL camera modules, meeting the image acquisition requirements of in-vehicle and industrial vision scenarios. Expansion is handled by one M.2 Key M slot supporting 2280 NVMe storage and one M.2 Key E slot for WiFi modules. A dedicated RTC power connector maintains system time continuity across power cycles. All components are wide-temperature industrial-grade. Power input includes overvoltage and reverse polarity protection, and main interfaces are protected against electrostatic discharge.



Website



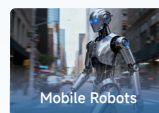
In-vehicle Perception
Systems



Industrial Vision
Inspection



And Intelligent Patrol

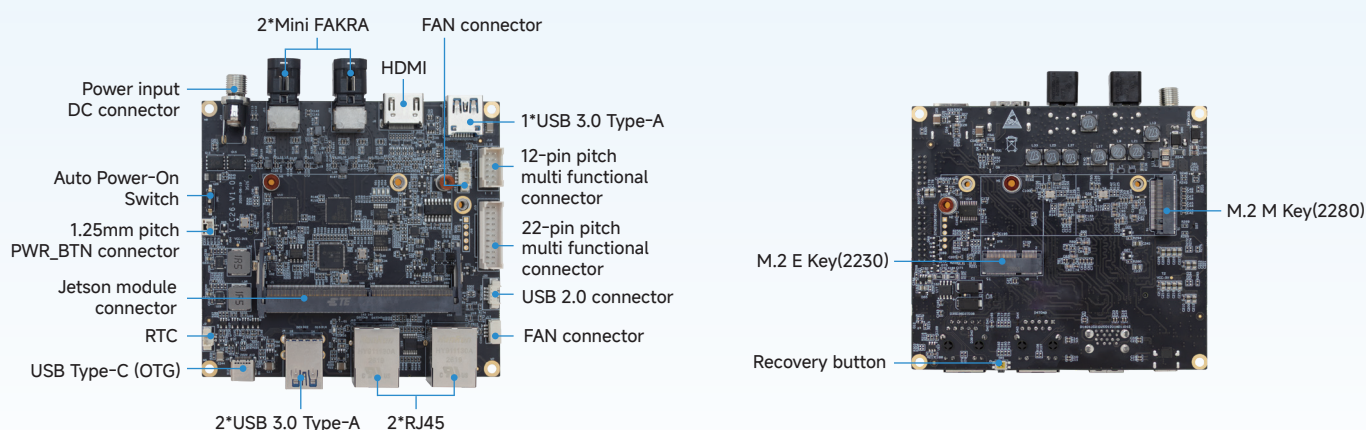


Mobile Robots

Specifications

Module	Jetson Orin NX/Orin Nano
Display	1 x HDMI
USB	3x USB 3.0 Type-A、1x USB 2.0
Networking	2x RJ45
Camera	2x Mini-Fakra (GMSL Serial Camera Interface)
Expansion	1x M.2 M Key(2280), 1x M.2 E Key(2230)
Functional Signals	2x GPIO、2x RS232、1x SPI、1x I2C、1x CAN
Button	1x Power、1x Recovery
Temperature	-25°C~+60°C
Dimensions	110mm x 100mm x 23.6mm
Power	DC 9V~16V
Weight	117g

Interfaces



Dimensions

