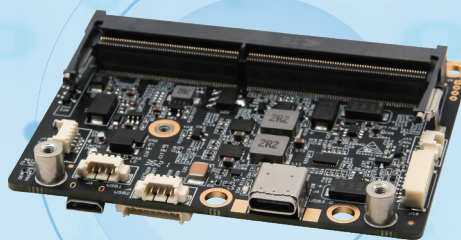


Y-C7 Carrier Board



Key Feature

- Compatible with Jetson™ Nano / TX2 NX / Xavier NX / Orin Nano / Orin NX
- Display: 1×HDMI
- Rich I/O: 1×USB3.0 Type-C, 1×Micro USB, 1×USB2.0, 1×CAN, 4×GPIO, 1×I2C, 1×TTL, 1×RS232
- Expansion Slots: 1×miniPCle, 1×M.2 E 2242
- Camera Interface: 1×2-Lane MIPI CSI
- Operating Temperature: -40°C ~ +85°C
- Input Voltage: DC 9V ~ 24V

Introduction

Y-C7 is a high-compatibility edge AI carrier board designed for NVIDIA® Jetson™ Nano/TX2 NX/Xavier NX/Orin Nano/Orin NX. At only 80mm×60mm×16.7mm, it is ideal for compact drone applications including inspection, environmental awareness, emergency rescue and logistics delivery.

It uses a full-interface flexible cable design with stress relief for superior anti-vibration performance in flight. A 64GB industrial eMMC is onboard for storage expansion (not supported on Orin NX/Orin Nano). MIPI CSI supports various cameras and is compatible with CVBS/SDI/HDMI video. miniPCle and M.2 E slots support modular function expansion.



Website



Intelligent Patrol



environment awareness



Emergency rescue

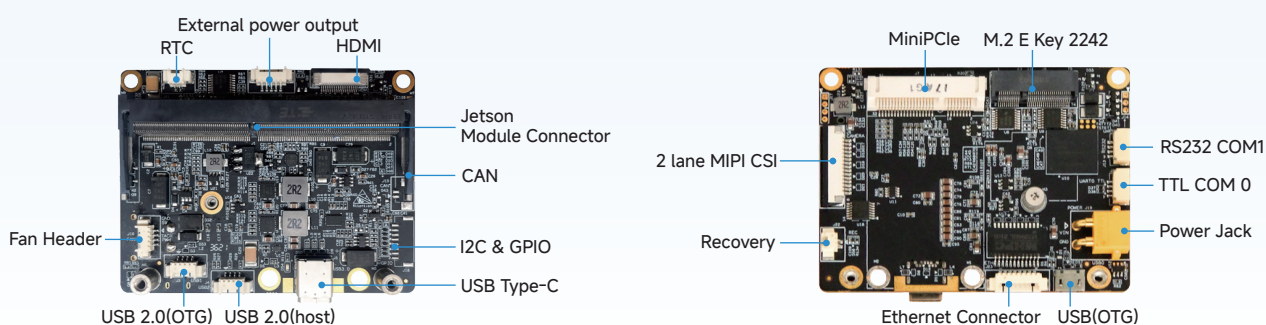


Logistics system

Specifications

Module	Jetson Nano/TX2 NX/Xavier NX/Orin Nano/Orin NX
Display	1 x HDMI
USB	1x Micro USB、1x USB3.0 Type-C、1x USB 2.0
Networking	1x Ethernet Connector
Camera	1x 2 Lane MIPI CSI
Expansion	1x miniPCle、1x M.2 Key E (2242)
Functional Signals	1x CAN、4x GPIO、1x I2C
Serial Ports	1x TTL、1x RS232
Temperature	-40°C~+85°C
Dimensions	80mm × 60mm × 16.7mm
Power	DC+9V~ +24V
Weight	40g

Interfaces



Dimensions

