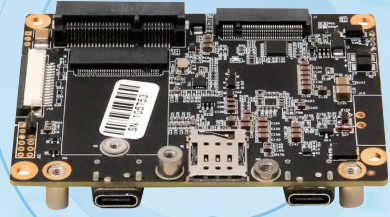


Y-C17 Carrier Board



Key Feature

- Compatible with Jetson™ Orin NX / Orin Nano / Xavier NX
- Display: 1×HDMI
- Rich I/O: 2×Type-C, 4×GPIO, 1×I2C, 1×PSDK
- Expansion Slots: 1×miniPCIe, 1×M.2 M 2230, 1×M.2 B 3050
- Camera: 1×2-Lane MIPI CSI
- Operating Temperature: -40°C ~ +85°C
- Input Voltage: DC 12V ~ 24V

Introduction

Y-C17 is a highly compatible edge AI carrier board built for NVIDIA® Jetson™ Orin NX / Orin Nano / Xavier NX. At only 82mm×60mm×18.1mm, it is ideal for compact drone AI deployments such as power inspection, agricultural monitoring and smart warehousing.

It adopts industrial-grade high-reliability design with ESD, over-voltage and reverse polarity protection, using wide-temperature components for stable performance in harsh environments. The board integrates a PSDK port for drone payload development and provides miniPCIe, M.2 M and M.2 B slots to support flexible expansion of Gigabit Ethernet, high-capacity storage, 5G, video capture and multi-serial modules.



Website



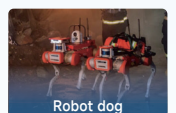
Power inspection



Agricultural monitoring



Intelligent warehousing



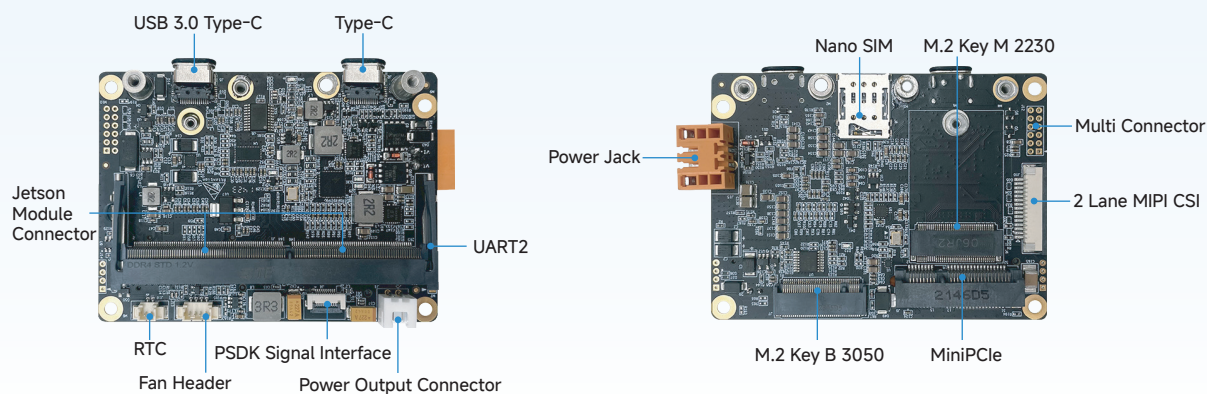
Robot dog

Specifications

Module	Jetson Xavier NX/Orin Nano/Orin NX
Display	1 x HDMI
USB	2x Type-C
Camera	1x 2 Lane MIPI CSI
Expansion	1x miniPCle, 1x M.2 KEY M(2230), 1x M.2 KEY B(3050), 1x nano SIM
Functional Signals	4x GPIO, 1x I2C, 1x PSDK
Temperature	-40°C~+85°C
Dimensions	82mm × 60mm × 18.1mm
Power	DC +12V~+24V
Weight	45g

Note: There is 1 Type-C port for system programming and OTG function output. The power input interface needs to be used in conjunction with the signal separation board provided by Pili.

Interfaces



Dimensions

