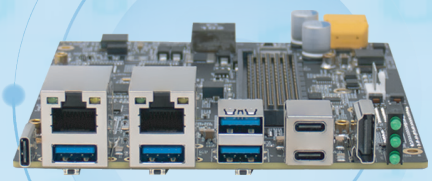
品立科技
PLink-AI

Y-C28
Carrier Board



Key Feature

- Compatible with NVIDIA® Jetson™ Thor / AGX Orin
- Rich I/Os: 1×HDMI, 4×Gigabit Ethernet, 2×USB Type-C, 4×USB Type-A, 2×GPIO, 4×CAN, 4×UART
- Expansion Slots: 1×miniPCIe, 1×M.2 M 2280, 1×M.2 B 3050
- Operating Temperature: -40°C ~ +85°C
- Input Voltage: DC 9V ~ 36V Wide Range

Introduction

Y-C28 is an edge AI computing carrier board designed for NVIDIA® Jetson™ Thor / AGX Orin, ideal for robotics, industrial automation, autonomous driving and other demanding edge deployments. It features industrial-grade high-reliability design with ESD, over-voltage and reverse polarity protection. All components are wide-temperature rated for stable operation in harsh environments. An RTC power connector is integrated to maintain clock synchronization when main power is off.With a compact layout of 140mm×120mm×37.6mm, Y-C28 routes key interfaces to one side for easy integration.

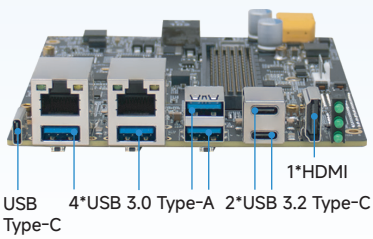
It supports 4×4/6×2 Lane MIPI CSI cameras and offers flexible expansion for multi-channel HD cameras, Gigabit Ethernet, high-capacity storage, Wi-Fi and 5G modules. Integrated SPI/GPIO/CAN/UART interfaces support secondary development and customization. A power output connector is also provided to directly supply external peripherals.

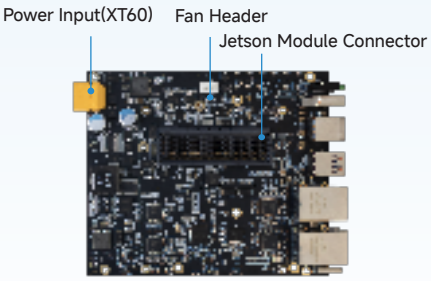
Website

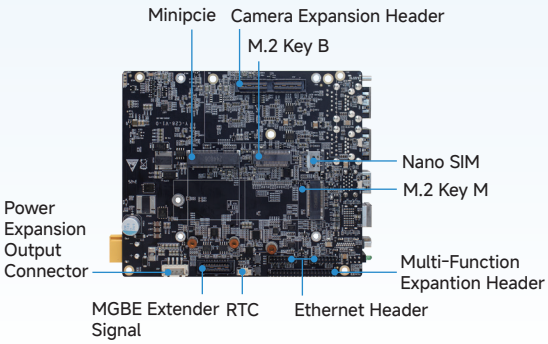
Specifications

Module	Jetson Thor/AGX Orin
Display	1 x HDMI
USB	2× USB Type-C、4× USB Type-A
Networking	4 xGbE(2x RJ45、2x 16pin Header)
Button	1x Power、1x Recovery、1x Reset
Camera	6x 2 Lane MIPI CSI /4x 4 Lane MIPI CSI
Expansion	1x miniPCIe、1x M.2 M key （2280）、1x M.2 B key（3050）、1x nano SIM
Functional Signals	2x I2C、1x I2S、1x SPI、2x GPIO、4x CAN
Serial Ports	4x UART 3.3V
Temperature	-40°C~+85°C
Dimensions	140mm x 120mm x 37.6mm
Power	DC 9V~36V
Weight	208g

Interfaces







Dimensions