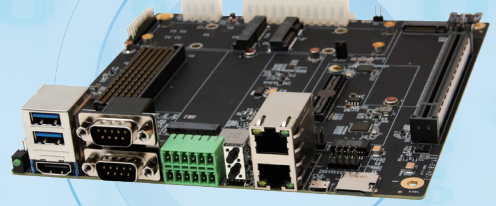


Y-C8 Carrier Board



Key Feature

- Compatible with Jetson™ AGX Orin / AGX Xavier
- Display : 1×HDMI
- Rich I/O Interfaces: 2×RJ45, 2×USB3.0 Type-A, 1×Micro USB, 1×Micro SD, 2×CAN, 4×GPIO, 1×SPI, 1×I2C, 1×I2S, 2×RS232
- Expansion Slots: 2×miniPCIe (USB2.0 & PCIe x1), 2×M.2 M 2280, 1×PCIe x16
- Camera: 6×2 Lane MIPI CSI, 4×4 Lane MIPI CSI
- Operating Temperature: -40°C ~ +85°C
- Input Voltage: DC 12V

Introduction

Y-C8 is a standard Mini-ITX edge AI carrier board built for NVIDIA® Jetson™ AGX Orin / AGX Xavier, with rich I/O and strong expansion for industrial automation, intelligent transportation, smart healthcare and autonomous driving.

It features industrial-grade high-reliability design with ESD, over-voltage and reverse polarity protection, and wide-temperature components for stable operation. A single-side concentrated interface layout simplifies mechanical design. MIPI CSI ports support industrial cameras. PCIe x16, dual miniPCIe and dual M.2 M slots enable flexible expansion of multi-channel Gigabit Ethernet, 4G, USB3.0, SATA, high-capacity storage, video capture and multi-serial modules.



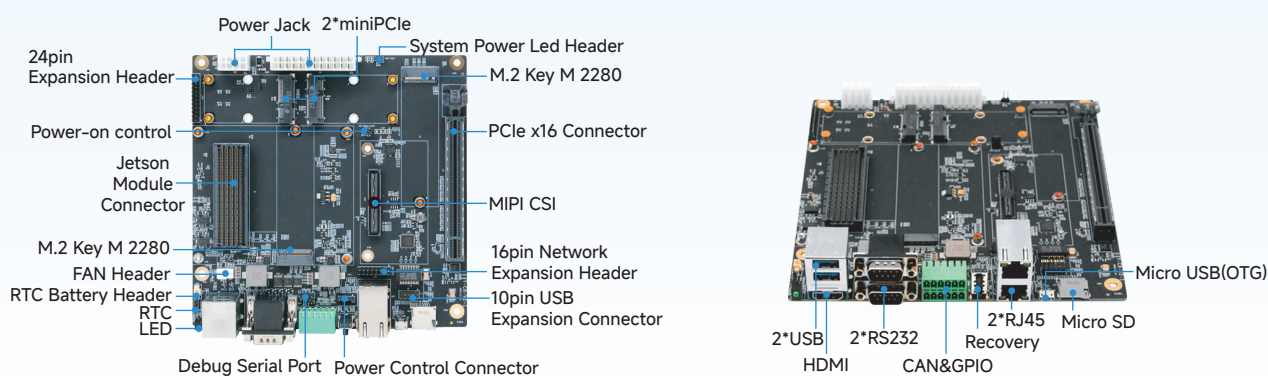
Website



Specifications

Module	Jetson AGX Orin/AGX Xavier
Display	1 x HDMI
USB	2x USB 3.0 Type-A、1x Micro USB (OTG)
Networking	2x RJ45
SD Card	Micro SD
Button	1x Recovery、1x Reset
Camera	6x 2 Lane MIPI CSI、4x 4 Lane MIPI CSI
Expansion	2x miniPCle、2x M.2 Key M (2280)、1x PCIe16
Functional Signals	2x CAN、4x GPIO、1x SPI、1x I2C、1x I2S
Serial Ports	2x RS232
Temperature	-40°C~+85°C
Dimensions	170mm × 170mm × 34.7mm
Power	DC +12V
Weight	260g

Interfaces



Dimensions

