Y-C11-DEV   Datasheet

Product brief introduction

The Y-C11-DEV is based on the Plink AI development system driven by Jetson ORIN NX and ORIN NANO modules. All the components on the board are of wide temperature type, the main interface is designed for electrostatic safety protection, and the power supply application scheme of high reliability is adopted. The input power supply has the functions of overvoltage and reverse polarity protection, and has a variety of external interfaces. In addition, one MiniPCIe connector (including USB2.0 and PCIe X1 signal) can carry hundreds of functional modules to further expand the system functions. The M.2B key slot of the Y-C11 carrier board can be directly equipped with 4G/5G communication module, and the carrier board has a Nano SIM card slot. Two independent gigabit network ports all can extend POE power supply support.

Product parameters

➢ 4 x USB3.0 TypeA connector
➢ 1 x Micro USB connector (for burning system)
➢ 2 x gigabit Ethernet (10/100/1000 BASE-T) RJ45 connector (extensible support POE power supply)
➢ 1 x HDMI TypeA connector
➢ 1 x type Nano SIM card connector
➢ 1 x full length MiniPCIe connector
➢ 2 x M. 2 2242 M key slot
➢ 1 x M. 2 3050 B key slot (extensible 4 g / 5 g communication module)
➢ 2 x 4 Lane MIPI camera interface FPC connector
➢ 1 x 3.3 V RTC power supply interface
➢ 1 x fan control interface (12 v)
➢ 1 x transceiver of CAN bus interface
➢ 40 pin (2 x20) 2.0 mm spacing multi-function extension pin connector
   (including 4xGPIO, 2xI2C, 2xSPI, 1xI2S, 1xUSB2.0, 2xUART)
➢ Automatic power on
➢ Anti-shedding power supply terminals
➢ The board size: 120 mm * 102 mm * 36 mm
➢ Power input: DC + 12 v ~ + 24 v
➢ Working temperature: - 25 ~ + 60 ℃
➢ Weight: 188 g

Order model	Description	Heat dissipation mode
Y-C11-DEV-01	Jetson ORIN NANO 4Gmodule inside	Active
Y-C11-DEV-01	Jetson ORIN NANO 8G	Active
Y-C11-DEV-01	Jetson ORIN NX 8G	Active
Y-C11-DEV-01	Jetson ORIN NX 16G	Active

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