

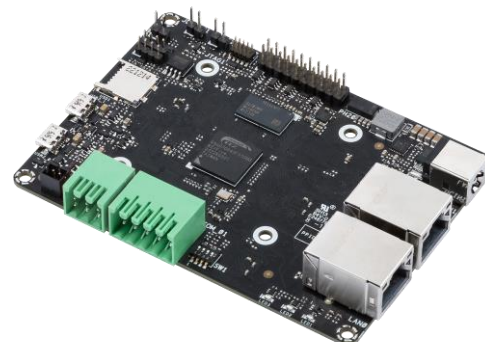
TINKER V

SPECIFICATION

RISC-V SBC, Renesas RZ/Five, AndesCore™ AX45MP, DDR4 RAM, eMMC, Dual Lan, COM RS232, CAN Bus

Features

- RISC-V AndesCore AX45MP
- Support Dual LAN, COM RS-232, CAN Bus 2.0
- Wide range 10V~24V DC power in offers stable delivery
- Wide operating temperature -20~60°C
- Linux Debain, Yocto supported



Specifications

*Spec by SKU

Processor	SoC	Renesas RZ/Five
	CPU	RISC-V AndesCore™ AX45MP Single core 1.0 GHz
Memory	Technology	DDR4 On-board
	Size	1GB
Storage	Memory Card	1 x Micro SD (TF) card slot (push & pull)
	eMMC*	none / 16GB
Ethernet	Speed	10/100/1000 Mbps
	Controller	2 x Realtek RTL8211FI
Rear I/O	Ethernet	2 x RJ45 LAN
	USB 2.0	1 x Micro USB 1 x Micro USB (OTG)
	CAN Bus	2 x CAN Bus (6-pin terminal block)
	COM	2 x COM RS232 (10-pin terminal block)
Internal I/O & Header	20-pin Header	up to 2 x UART up to 2 x I2C up to 4 x GPIO up to 2 x ADC 1 x SPI 1 x 3.3V 5 x GND
	Debug	JTAG pin header
	Power-on btn	1 x 2-pin header
	Reset btn	1 x 2-pin header
	DC Fan Connector	1 x 2-pin
	LED side view	3 x Power, Disk, Reserve
	Power	Power Input (10 ~ 24V)
Environment	Operating Temperature	-20 ~ 60°C
	Storage Temperature	-40 ~ 85°C
	Relative Humidity	10 ~ 85% (non-condensing)
Others	Operating System	Linux Debian, Yocto
	Dimensions	PICO-ITX (100 x 72 mm)