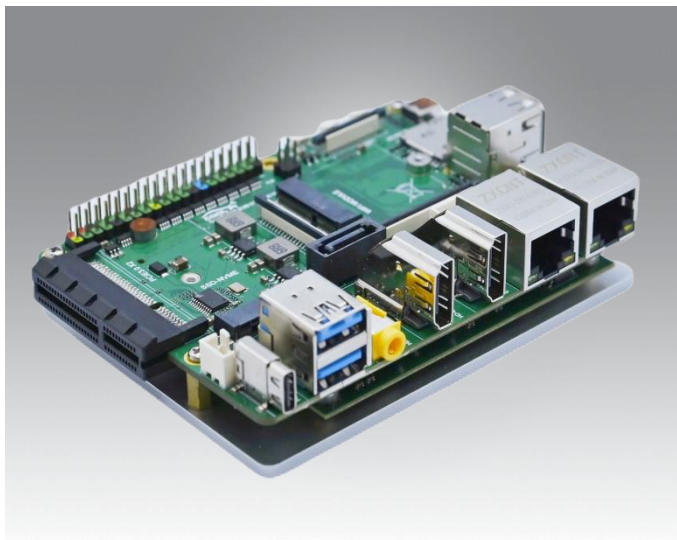


CoolPi CM5 EVB

Rockchip ARM RK3588 EVB



- RK3588 ARM Quad Cortex-A76 and Quad Cortex-A55 2.x GHz
- Onboard 2/4/8/16/32GB LPDDR4 memory and 32/64/128GB eMMC(Optional)
- 2 x HDMI(8K 60fps), 2 x eDP(4K 60fps), 2 x MIPI DSI
- 6T NPU support
- 2 x USB3.0, 2 x USB2.0 , 2 x USB2.0 extension
- 2 x Gigabit Ethernet, One of them supports POE
- 1 x PCIE3.0X2
- 1 x SATA3.0
- 1 x HDMI IN , up to 4K/P60
- Supports WIFI/BT extension, using PCIE M.2 connectors
- Supports SSD extension using PCIE M.2 connectors
- RTC support
- Debian11 Ubuntu Android support

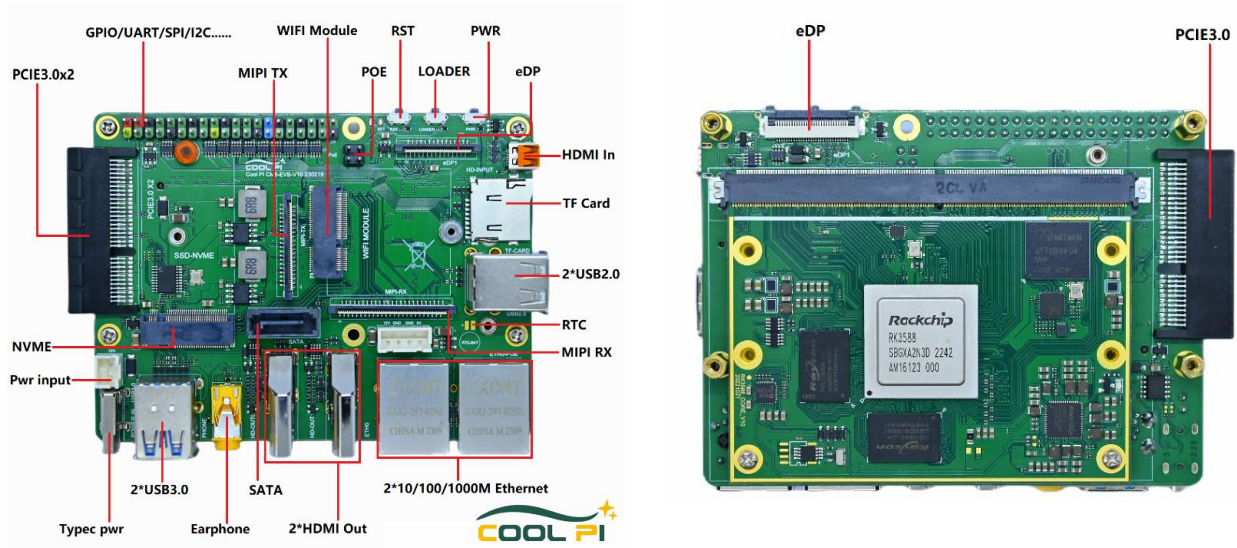
CM5-EVB is a set of backplanes developed based on the CM5 core board. The interface resources are very rich, including 2 HDMI output interfaces, 1 HDMI input interface, 2 Gigabit Ethernet interfaces, multiple display output and camera input channels, and 2 standard eDP interfaces, which can directly drive a 30pin eDP interface LCD. The motherboard is integrated with a standard PCIE3.0 4X interface, which facilitates the expansion of external PCIE peripherals. There are two M.2 interfaces inside the board, which can expand SSD, WIFI, and NPU modules. It is very convenient for users to use during the product evaluation process.

For more information, please follow the coolpi wiki: <https://wiki.cool-pi.com/>

Any questions in product design can be asked in the community: <https://forum.cool-pi.com/>

Processor	CPU	Rockchip RK3588 ARM dual Cortex-A76 and quad Cortex-A55 2.x GHz
Memory	Capacity	2GB/4GB/8GB/16GB/32GB
Graphics	Graphics Engine H/W Video Codec	Mali-G610(OpenGL ES3.2 / OpenCL2.2 / Vulkan1.1) Decoder: up to 8K@60fps Encoder: up to 8K@30fps Support H.265/AVS2/VP9/H.264/AV1
PCIE	PCIE3.0 2X	Standard PCIE connectors
Interface	HDMI OUT HDMI IN eDP USB3.0 USB2.0 PHONE Ethernet SATA MIPI TX MIPI RX Button	2 x up to 8k/p60 1 x up to 4k/p60 2 x up to 4k/p60 2 x 4 x two of them use connector extensions 1 x Support for mic 2 x gigabits, one of which supports POE 1 x SATA3.0 with independent power supply interface 2 x DSI TX(1 clk line and 4 data lines) 2 x DSI RX(1 clk line and 4 data lines)/4 x DSI RX(1 clk line and 2 data lines) 3 x Support power reset load
Wireless	Wifi Bluetooth	Pcie usb
SSD	PCIE M.2 2242	Pcie3.0 2X
Power	Power Supply Voltage Power Type	12V Typec or 2pin connect

CoolPi CM5 EVB



Part Number	CPU	Memory	Flash	HDMI	DP	DSI	LAN	CSI	SATA	USB	SD	Operating Temperature
RCP-CM5-EVB-2GNO	RK3588	8GB	64GB	2	2		2			4	1	0 ~ 70 °C

