



- RK3588 Quad-core cortex A76+Quad-core cortex A55
- Onboard LPDDR4 Memory
- Onboard EMMC Storage
- Support SSD and TF Extended storage
- HDMI and DP display output
- Dual Gigabit Ethernet ports
- Onboard WIFI+BT
- MINI PCIE extension lora/4G
- 6 x USB , 4 x COM
- Support TPM/TCM encryption module
- Support Android12

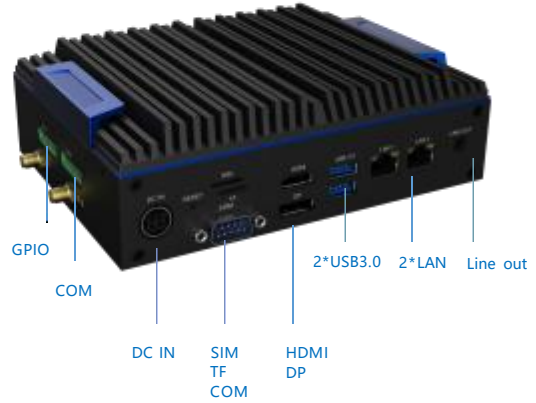
### 主板规格简介

Processor	CPU	Rockchip RK3588 Quad-core cortex A76+Quad-core cortex A55, max 2.6GHz	
	GPU	Mali G610 MC4	
	NPU	6 Tops	
Memory	Type	Onboard LPDDR4/4X , dual-channel (4G/8G optional)	
Storage	Type	1 x EMMC (32G/64G optional) 1 x M.2 2280 , Support NVME SSD 1 x TF card	
	Interface	1 x HDMI Type-A , 1 x DP	
I/O	Audio	1 x 3.5mm Line out	
	LAN	2 x RJ45 , 10/100/1000Mbps	
	Wireless	1 x onboard WIFI+BT (2.4G signal WIFI/2.4G&5G dual WIFI option) 1 x MINI PCIE, expand Lora /4G module 1 x Power private network 4G module (COM1 cable connection)	
	AI accelerator card	1 x M.2 2280, expand MLU220 accelerator card , 8Tops NPU	
	USB	IO: 2 x USB3.0 Type-A , 2 x USB2.0 Type-A ; onboard 2 x JUSB2.0 pins	
	COM	IO: 1 x 10pin Phoenix terminal (1*RS232+1*RS485) , 1 x DB9 (RS232/485 optional) Onboard 1 x 4pin (RS232/TTL optional)	
	TPM/TCM	Built-in TCM module(Z32H330TC); Built-in USB2.0 pin (Extensible encryption module)	
	Extension I/O	1 x 10pin Phoenix terminal (4 input , 4 output) 1 x SIM slot 2 x JLED pin 1 x JPWR_ON 1 x CPU FAN 1 x buzzer 1 x Recovery key	
	Power	Input	DC IN 12V
	Dimension	L x W x H	187mm*131mm*54mm
System	OS	Android 12	
Environment	Operating	0~50°C , 10%~90% Non-condensing	
	Storage	-20~70°C , 5%~90% Non-condensing	

## 产品图示



2\*USB2.0 Indicator PWR



GPIO

COM

DC IN

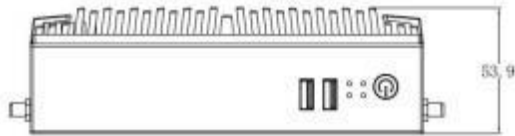
SIM  
TF  
COMHDMI  
DP

2\*USB3.0

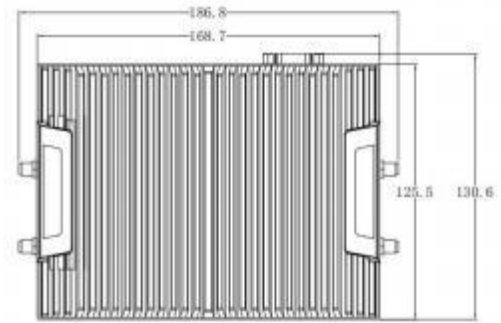
2\*LAN

Line out

## 产品尺寸图



53.9



186.8

168.7

125.5

130.6

## 产品选型

Type	Description
E088-A1	RK3588/4GB LPDDR4/32GB EMMC/AW_NM372SM/6*USB/2*RS485+2*RS232/ES8316
E088-B1	RK3588/8GB LPDDR4/64GB EMMC/AW_CM256SM/6*USB/2*RS232+1*RS485+1*TTL/ES8336

产品说明，如有变更，恕不另行通知