

RK3588

Detail description

CPU: 2.4GHz

Memory: 1GB/2GB/4GB/8GB/16GB/32GB LPDDR4/LPDDR4X

Flash: 4GB/8GB/16GB/32GB/64GB/128GB emmc

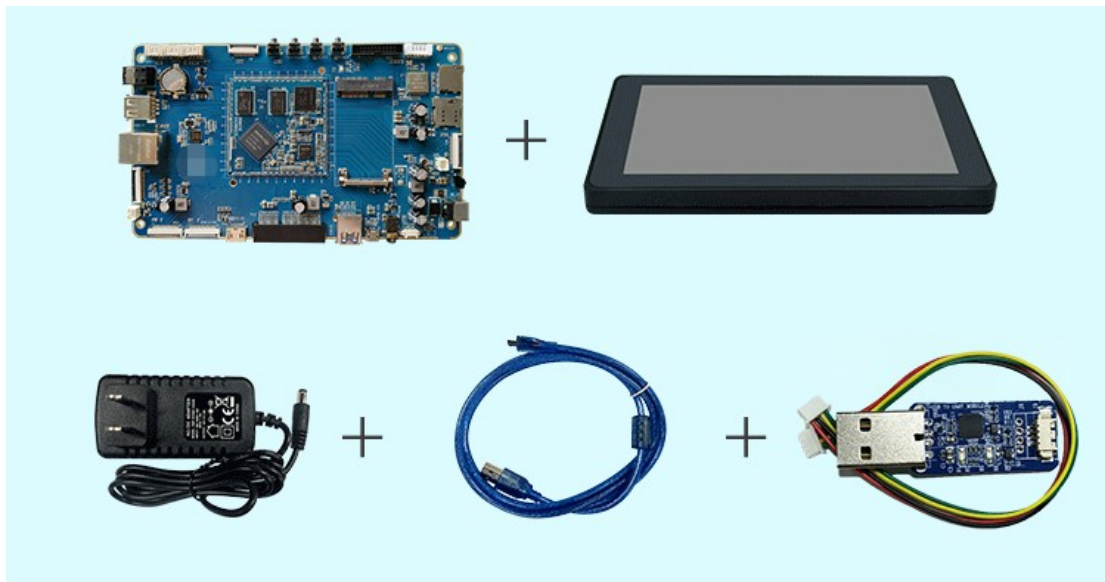
LCD: 7/10 inch(MIPI/LVDS)

NPU:6T

USB:USB2.0/USB3.0

OS: debain10, android 12, linux5.10 QT, Ubuntu

Support Customized development hardware and software





APPLICATION SCENARIO



storage



server



camera



Facial brake



AI



Display

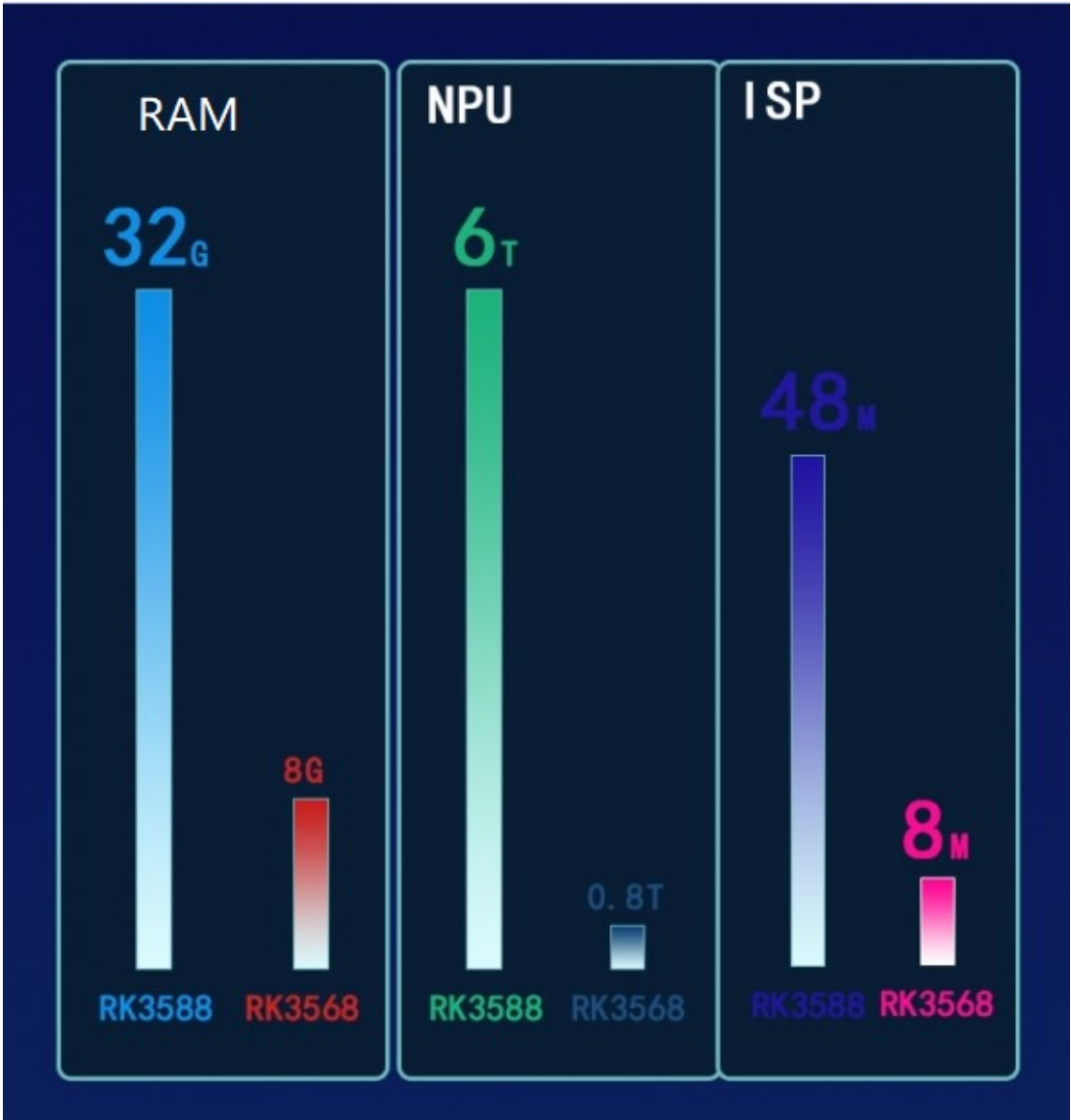


Medical



POS

Bothbit



System parameter	
CPU	RK3588
Frequency	Quadropole A55(2.4GHz)
RAM	LPDDR4/LPDDR4X
FLASH	4GB/8GB/16GB/32GB
Power IC	RK809 Support for dynamic frequency modulation
Interface parameter	
LCD	DSI/LVDS/EDP/HDMI
Touch	Capacitive touch
audio	Supports direct output from headphone speakers and supports recording and playback of audio

SD card	SDIO*2
emmc	emmc
Process	8nm
WAN	Supports 2-way Gigabit Ethernet
USB HOST	HOST2.0*2 HOST3.0*2
OTG	OTG interface
UART	UART*10
PWM	PWM*16
IIC	IIC*6
SPI	SPI*4
ADC	ADC*2
Camera	CSI/BT601/BT656/BT1120/RAW
Electrical characteristics	
3.3V input voltage	5V/2A
RTC input voltage	3V/0.6uA
Outpu voltage	3.3V/1.5A
Work temperature	-10°C~70°C
Storage temperature	-10°C~40°C