

RK3566

Detail description

CPU: 1.8 GHz

Memory: 1GB/2GB/4GB

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

LCD: 7/10 inch(MIPI/LVDS)

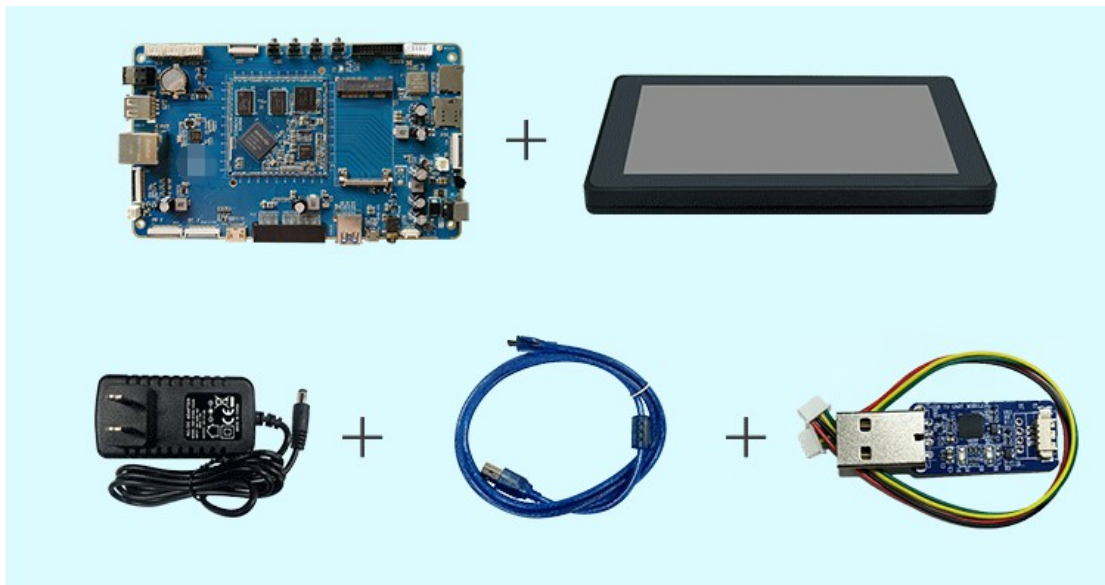
NPU:0.8T

WIFI/BT: AP6375S WIFI6 BT5.0

USB:USB2.0 USB3.0

OS: android 11, linux4.19 QT, Ubuntu

Support Customized development hardware and software



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APPLICATION SCENARIO



storage



server



camera



Facial brake



AI



Display



Medical



POS

System parameter	
CPU	RK3566
Frequency	Quadpole A55(2GHz)
RAM	1GB/2GB/4GB/8GB
FLASH	4GB/8GB/16GB/32GB
Power IC	RK817 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
WAN	Supports 2-way Gigabit Ethernet
USB HOST	HOST2.0*2 HOST3.0*1
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
Output voltage	3.3V/1.5A
Work temperature	-10°C~70°C
Storage temperature	-10°C~40°C
PCB layer	8layer