

# RK3568 ARM

RK3568 Android Integrated Motherboard,adopts RK3568 Quad Core 64-bit ARM Chip Solution,Support Android 11 Opertation System,RK3568 Controller is a CPU based on the Cortex-A55 Architecture. The GPU adopts ARM G522EE and supports AFBC (frame buffer compression) and the encoding and decoding of mainstream audio and video formats and pictures.Based on its Characteristics of Hardware Platform and Android Intelligence, it is widely used in such Intelligent Control fields as ID card Recognition, Commercial Advertising machine, Interactive All-in-One Machine, Security, Medical, Transportation, Finance, Industrial Control,etc.



## •• Specification ••

RK3568 ARM	
CPU	ARM Cortex-A55,upto 2.0GHz
GPU	ARM G52 2EE GPU
NPU	0.8 TOPS
RAM	2G/4G-Byte DDR4,upto 8G
Storage	EMMC,8G Byte,support TF card
Ethernet	2*1000M
Wireless and Bluetooth	2.4GHz/5GHz WiFi,支持蓝牙V2.1+EDR/Bluetooth 3.0/3.0+HS/4.2/BLE
Video decoding	Support 1080P/2160P ,H.265,H.264,H.263, VP8,VP9,,VC1,MPEG-1,MPEG4-2,MPEG4
Video coding	Support H.265 and H.264
Audio	1*Speaker Output(2*10W); 1*Microphone Input; 1*Headphone Output
Camera	1*MIPI,support USB 2.0/3.0
4G Communication	4G LTEmini PCIE module/5G M.2
On Board Backlight	Support 3.3V/5V/12V Backlight power
IO Interface	1 * SPI Bus protocol, 2 * i2c Bus, 10 * GPIO input/output, 4 * ADC input
Serial port	4*RS232,Optional UARTTTL 1*RS485
USB	4*USB2.0 HOST、 2*USB3.0 HOST、 1*USB3.0 OTG
HDMI_IN	Support HDMI_IN Input(adapted through small adapter board)
Image Rotation	Support Gravity Sensing Automatic Screen Rotation(optional)
RTC	External Real-Time Clock Power Supply Battery,support Timie on/off
Operation System	Android11
Display	1*eDP,support 3.3V/5V/12V Power 1*LVDS, support 3.5"-108"display, 1080P60Hz output,support 3.3V/5V/12V Power 1*MIPI DSI,support 1080P60Hz output,3.3V 1*HDMI,support 1080p @120Hz and 4096x2304 @60Hz Support Dual Display