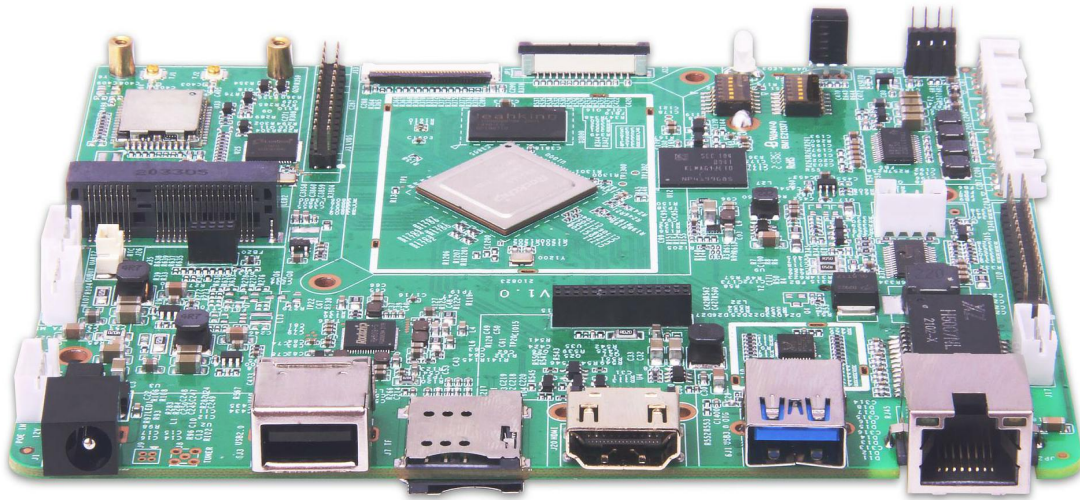


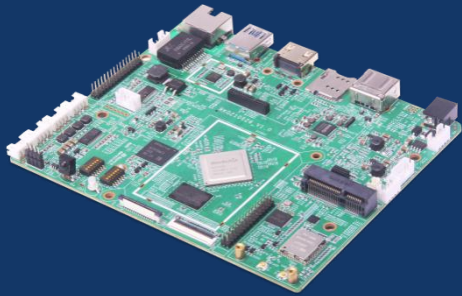
Rockchip RK3568 Development Board

K3-3568



K3-3568 is a development board mainly used for commercial display equipment. With the function of tuner, it is very convenient to watch real-time TV programs. Supporting HDMI in interface, can realize the PIP. With MIC array, it can realize AI application in the field of speech recognition. Most important, k3-3568 has an open source SDK to help developers complete development as soon as possible.

- SOC : RK3568, Quad-core ARM Cortex-A55 CPU and Mali-G52 GPU.
LPDDR4: 2GB ((Optional 4G/8G)
eMMC :8GB/16GB/32GB/64GB
NPU:Neural network acceleration engine with processing performance up to 0.8 TOPS.
- Support the PIP function.
Support HDMI OUT and HDMI IN(optional),
Support LVDS/MIPI/eDP panel, Used in commercial display, security, industrial control, and other fields.
- Tuner Module (Support DVB-T/T2、ATSC1.0、ISDB-T)
The function is convenient to play real-time TV programs
- Support multiple high-speed networks
Support Wifi5 (802.11 ax Optional), 5G(5th generation), support BT5.0(Optional), MniPCIE(support 4G LTE), 1*Gigabit Ethernet.
- Support microphone array
It can suppress echo noise, extract and separate speech, and can be applied in the field of artificial intelligence with speech recognition needs.
- Open source SDK
Open source SDK can help developers to complete development as soon as possible.



Product Specification

CPU	Rockchip RK3568 Quad-core ARM Cortex-A55
CPU Frequency	Up to 2.0GHz
Internal Memory	2/4/8GB DDR4
Internal Storage	8/16/32/64GB EMMC5.1
OS	Android 11.0/ Debian 10
Bluetooth	5.0(Optional)
Built-in WiFi	802.11 a/b/g/n/ac (ax optionl)
WiFi Frequency Range	2.400~2.497GHz, 4.900~5.845GHz
Ethernet port	1*Gigabit Ethernet
GPS	No
USB Interface	USB 3.0 x 1; USB 2.0 x 1
TF Card Slot	1
Camera	Integrated Dual ISP with support for image sensors up to 18MP
Expansion connector	<ul style="list-style-type: none">• UART x 1, Speaker Socket * 1, Mic Array *1• 4L-MIPI DSI * 1• HDMI IN * 1, HDMI OUT * 1• M.2 * 1, MiniPCle * 1• RF * 1(DVB-T2/ISDB-T/DTMB/ATSC)
Size (mm)	142 x 118mm
Power	12V/2A

