

Amlogic A311D Android

品牌	Amlogic A311D Android
型号	Amlogic A311D
处理器	ARM Cortex A73 ARM Cortex A53 1.98Ghz
GPU	ARM Mali-G52 MP4 (6EE) OpenGL ES 3.2 Vulkan 1.1 OpenCL 2.0
内存	DDR4 2GB/4GB
存储	16GB eMMC 128GB
操作系统	Android 9.0
视频支持	4K H265 10Bit H.264 AVS MPEG-2
音频支持	MPEG1 MPEG2 MPEG4 H.264 WMV MKV TS flv MP3 JPEG BMP PNG GIF
接口	1 LVDS 40pin 2.0mm 8bit 10bit 1 HDMI 1 AV
摄像头	x1 MIPI CSI
功耗	4x2.5mm 25W @ 2x3W @ 2
网络	x1 10M/100M WiFi BT 2.4G 2.4G/5G PCIe 4G x1 M.2 4G x1
USB2.0	USB OTG x1 USB x7
其他	x2 6pin 2.0mm
其他	x1 7pin 2.0mm LED
其他	x4
TF	x1
SIM	x1
其他	
电源	12V 2.5DC

S922X



Supported configuration: PCIe2.0 port + USB2.0 Host, or USB3.0 without PCIe

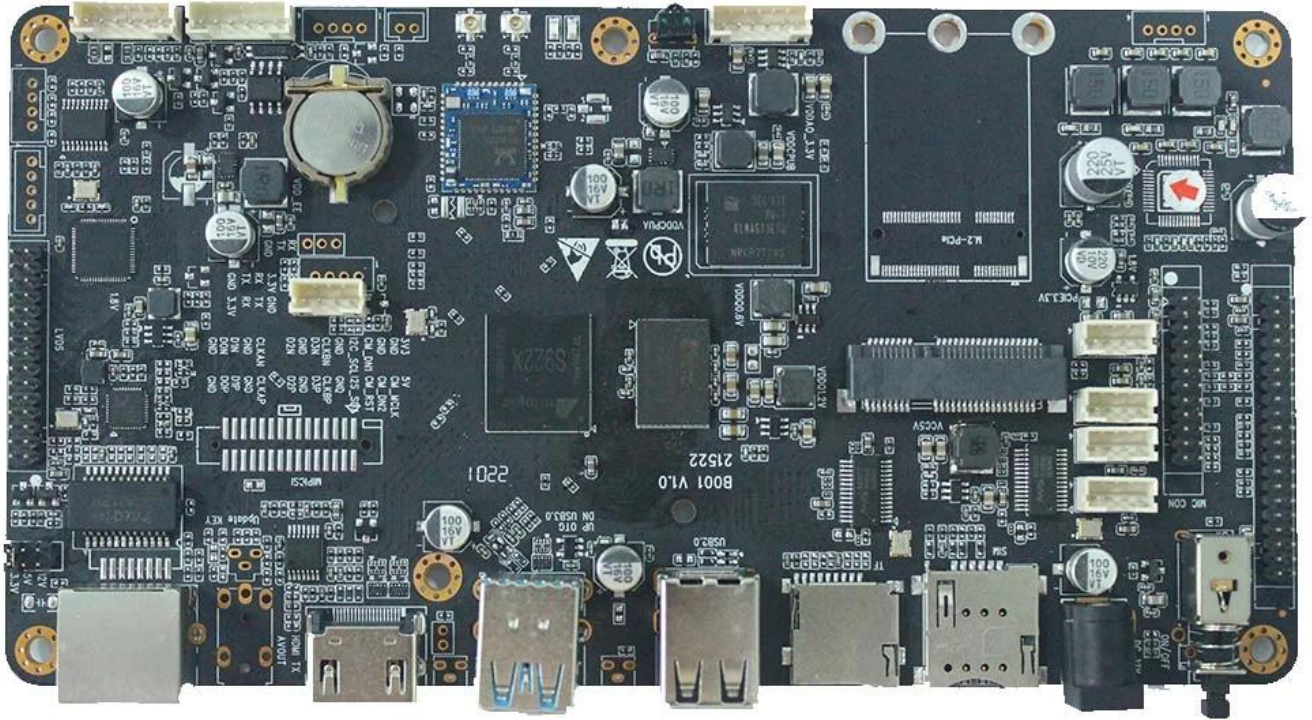
S055T01



180mm

95mm

180mm*95mm*20mm



Amlogic S922X Android TV Board - LCD - Amlogic S922X 12nm UHD 4K@60fps H.265 10-bit H.264 AV HDR10 HLG UART USB WiFi 4G AV SD 3D/AI

- (1)
 - 1 LVDS 40pins
 - 1 HDMI
 - 5 USB2.0
 - 4 RS232 USB2.0
 - 1 MIPI CSI
 - 1 AV
 - 1 I2C
 - I2SC/IS2B
 - 1 25W 3W
- (2)
 - WiFi 4G
- (3)
 -

- 000000000000
- 000000000000
- 00000000000000000000

0000

CPU000

- (1) 00 ARM Cortex-A73 000 ARM Cortex-A53 CPU
- (2) 00 Neon 0 Crypto 000 ARMv8-A 00
- (3)0000000000
- (4) 00 Cortex-M4 000000000000
- (5) 000TrustZone00000
- (6) 000000 QoS 00000000000000000000

3D000000

- (1) 0 ARM Mali-G52 MP4 (4ppc) GPU
- (2) 8 000002x 0000006x8 000000(EE)
- (3)00000000
- (4) OpenGL ES3.2/Vulkan 1.0 0 OpenCL 2.0 00

00/00000000

- (1) Amlogic 0000 (AVE) 0000000000000000
- (2) 00004Kx2K@60fps1x1080P@60fps00000000
- (3) 0000“00”00000000000000000000
- (4)00/00000

VP9 Profile-2 00 4Kx2K@60fps

H.265 HEVCMP-10@L5.100 4Kx2K@60fps

AVS2-P2 000000 4Kx2K@60fps

H.264 AVCHP@L5.1 00 4Kx2K@30fps

H.264 MVC 00 1080P@60fps

MPEG-4 ASP@L5 00 1080P@60fps (ISO-14496)

WMV/VC-1 SP/MP/AP 00 1080P@60fps

AVS-P16(AVS) /AVS-P2 000000001080P@60fps

MPEG-2 MP/HL 00 1080P@60fps(ISO-13818)

MPEG-1MP/HLupto1080P@60fps(ISO-11172)

RealVideo 8/9/10 00 1080P@60fps

0000000000000000

MJPEG 0 JPEG 0000000000(ISO/IEC-10918)

00JPEG000000000000000000

00*.mkv0*.wmv0*.mpg0*.mpeg0*.dat0*.avi0*.mov0*.iso0*.mp40*.rm 0*.jpg 00000

(5) 00/00000

000 JPEG 0 H.265/H.264 0000000000000/0000

JPEG00000

H.265/H.264 000000 1080P@60fps00000

0000

- (1) 00 HDMI 2.1 000000000000 PHY000 CEC000 HDR 0 HDCP 2.204Kx2K@60 00000000
- (2) CVBS 480i/576i00000
- (3) 000000 SD/HD/FHD 00000000480i/p0576i/p0720p01080i/p 0 4Kx2K
- (4) 40MIPI DSI00000000001920*10800000000000000

0000

CPU000

- (7) 00 ARM Cortex-A73 000 ARM Cortex-A53 CPU
- (8) 00 Neon 0 Crypto 000 ARMv8-A 00
- (9)0000000000
- (10) 00 Cortex-M4 000000000000
- (11) 000TrustZone00000

(12) 支持 QoS 功能

3D 支持

(5) ARM Mali-G52 MP4 (4ppc) GPU

(6) 8x2x6x8 (EE)

(7) 支持

(8) OpenGL ES3.2 Vulkan 1.0 OpenCL 2.0

支持

(6) Amlogic (AVE)

(7) 4Kx2K@60fps 1x1080P@60fps

(8) “”

(9) 支持

VP9 Profile-2 4Kx2K@60fps

H.265 HEVCMP-10@L5.1 4Kx2K@60fps

AVS2-P2 4Kx2K@60fps

H.264 AVCHP@L5.1 4Kx2K@30fps

H.264 MVC 1080P@60fps

MPEG-4 ASP@L5 1080P@60fps (ISO-14496)

WMV/VC-1 SP/MP/AP 1080P@60fps

AVS-P16(AVS) /AVS-P2 1080P@60fps

MPEG-2 MP/HL 1080P@60fps(ISO-13818)

MPEG-1MP/HLupto1080P@60fps(ISO-11172)

RealVideo 8/9/10 1080P@60fps

支持

MJPEG JPEG (ISO/IEC-10918)

JPEG

.mkv.wmv*.mpg*.mpeg*.dat*.avi*.mov*.iso*.mp4*.rm *.jpg

(10) 支持

支持 JPEG H.265/H.264

JPEG

H.265/H.264 1080P@60fps

支持

(5) HDMI 2.1 PHY CEC HDR HDCP 2.2 4Kx2K@60

(6) CVBS 480i/576i

(7) SD/HD/FHD 480i/p 576i/p 720p 1080i/p 4Kx2K

(8) 4 MIPI DS 1920*1080

Amlogic A311D2 Android

Amlogic A311D2 Android

1. Amlogic A311D2 Cortex-A73 CPU Cortex-A53 CPU
2. ARM Mali-G52 MP4 GPU 4K
3. Wi-Fi 5.0 USB
4. Amlogic A311D2
5. Android

6. 如何安装 Android Studio 及 Android SDK

7. 如何配置环境变量

8. 如何安装并配置 Java 虚拟机

9. 如何安装并配置 Maven

10. 如何安装并配置 Git

如何安装 Amlogic A311D2 Android 系统