

# Amlogic A311D 电视方案

Amlogic A311D 电视方案	
CPU	Amlogic A311D 四核 ARM Cortex A73 四核 ARM Cortex A53 1.98Ghz
GPU	ARM Mali-G52 MP4(6EE) OpenGL ES 3.2, Vulkan 1.1 四核 OpenCL 2.0
内存	DDR4 2GB/4GB
存储	16GB eMMC(128GB) 闪存
OS	Android 9.0
视频&音频	
视频	4K H265 10Bit, H.264, AVS, MPEG-2 四核 硬解码
音频	MPEG1, MPEG2, MPEG4, H.264, WMV, MKV, TS, flv 四核 硬解码. MP3 四核 硬解码. JPG, JPEG, BMP, PNG, GIF 四核 硬解码
接口	
显示	1路 LVDS 40pin 2.0mm 接口, 8pin, 10pin 接口
视频	1路 HDMI 接口;
音频	1路 AV 接口
摄像头	x1, MIPI CSI
无线	4pin 2.5mm 接口 25W@2 接口 3W@2 接口
网络	x1, 10M/100M 接口
USB2.0	WIFI/BT, 2.4G 接口 2.4G/5G 接口
其他	接口 PCIE 接口(4G) x1 接口 M.2 接口(4G) x1
其他	USB OTG x1(接口 接口)
其他	USB 接口 x7
其他	x2, 6pin 2.0mm 接口
其他	x1, 7pin 2.0mm 接口, 接口 LED 接口
其他	接口 x4
TF	x1
SIM	x1
RTC	接口
电源	
电源	12V, 2.5DC 接口

# S922X



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

S055T01

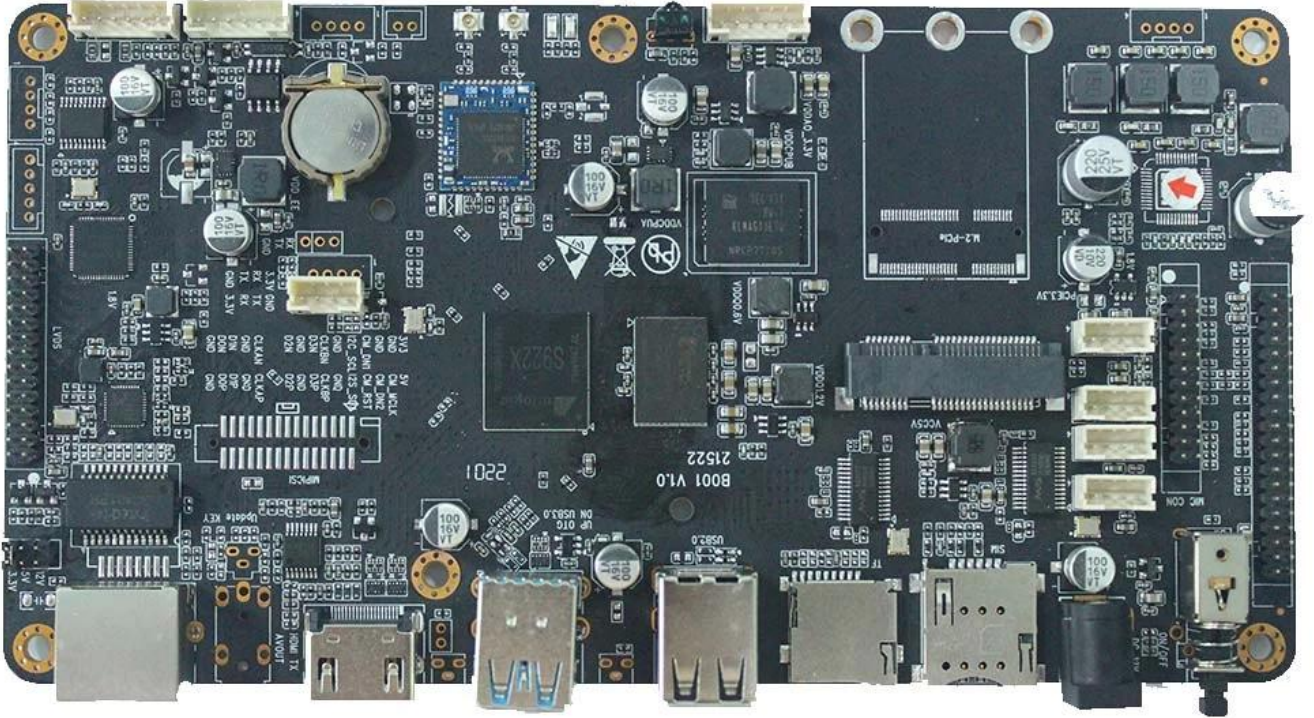


180mm

95mm

180mm\*95mm\*20mm





Amlogic S922X Android TV board features Amlogic S922X 12nm processor, supporting UHD 4K@60fps video playback. It includes Amlogic S922X 12nm processor, supporting H.265 10bit, H.264, AVS video decoding. It also features UART, USB, HDR10, HLG, AV, SD, WiFi, 4G, AI, and other advanced features.

- (1) Board Features
  - 1x LVDS (40pin)
  - 1x HDMI
  - 5x USB2.0
  - 4x RS232 (USB2.0 compatible)
  - 1x MIPI CSI
  - 1x AV
  - 1x I2C
  - I2SC/IS2B
  - 1x 25W power supply, 3W power supply

- (2) Board Features
  - WiFi, 4G, AI, and other advanced features.

- (3) Board Features
  - Other board features.

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- 1000 1000 1000 1000
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- 1000 1000, 1000 1000, 1000 1000 1000 1000

1000

CPU 1000 1000

- (1) 1000 1000 ARM Cortex-A73 1000 1000 ARM Cortex-A53 CPU
- (2) Neon 1000 Crypto 1000 1000 1000 ARMv8-A 1000
- (3) 1000 1000 L2 1000
- (4) 1000 1000 1000 Cortex-M4 1000
- (5) 1000 TrustZone 1000 1000
- (6) 1000 QoS 1000 1000 1000 1000 1000 1000 1000 1000

3D 1000 1000 1000

- (1) ARM Mali-G52 MP4(4ppc) GPU
- (2) 800 1000, 2x1000 1000 1000, 6x800 1000 1000(EE)
- (3) 1000 1000 1000
- (4) OpenGL ES3.2, Vulkan 1.0 1000 OpenCL 2.0 1000

1000/1000 1000

- (1) 1000 1000 1000 1000 1000 Amlogic Video Engine(AVE)
- (2) 1000 4Kx2K@60fps1x1080P@60fps 1000 1000 1000 1000
- (3) 1000 "1000" 1000 1000 1000 1000 1000 1000 1000
- (4) 1000/1000 1000

VP9 1000-2 1000 4Kx2K@60fps

H.265 HEVCMP-10@L5.1 1000 4Kx2K@60fps

AVS2-P2 1000 1000 4Kx2K@60fps

H.264 AVCHP@L5.1 1000 4Kx2K@30fps

H.264 MVC 1000 1080P@60fps

MPEG-4 ASP@L5 1000 1080P@60fps(ISO-14496)

WMV/VC-1 SP/MP/AP 1000 1080P@60fps

AVS-P16(AVS) /AVS-P2 JiZhun 1000 1000 1080P@60fps

MPEG-2 MP/HL 1000 1080P@60fps(ISO-13818)

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

RealVideo 8/9/10 1000 1080P@60fps

1000 1000 1000 1000 1000 1000

MJPEG 1000 JPEG 1000 1000 1000(ISO/IEC-10918)

JPEG 1000, 1000 1000, 1000 1000 1000 1000

\*.mkv,\*.wmv,\*.mpg, \*.mpeg, \*.dat, \*.avi,\*.mov, \*.iso,\*.mp4, \*.rm 1000\*.jpg 1000 1000

- (5) 1000/1000 1000

1000/1000 1000 1000 1000 JPEG 1000 H.265/H.264 1000

JPEG 1000 1000

1000 1000 1000 1080P@60fps 1000 H.265/H.264 1000 1000

1000 1000

- (1) CEC, Dynamic HDR 1000 HDCP 2.2, 4Kx2K@60 1000 1000 1000 1000 PHY 1000 1000 1000 HDMI 2.1 1000
- (2) CVBS 480i/576i 1000 1000 1000
- (3) 1000 1000 SD/HD/FHD 1000 1000 1000: 480i/p, 576i/p, 720p, 1080i/p 1000 4Kx2K
- (4) 4000 MIPI DSI 1000, 1000 1000 1000 1000 1920\*1080 1000

1000 1000

CPU 1000 1000

- (7) 1000 1000 ARM Cortex-A73 1000 1000 ARM Cortex-A53 CPU
- (8) Neon 1000 Crypto 1000 1000 1000 ARMv8-A 1000
- (9) 1000 1000 L2 1000
- (10) 1000 1000 1000 Cortex-M4 1000

- (11) TrustZone
- (12) QoS

- 3D
- (5) ARM Mali-G52 MP4(4ppc) GPU
- (6) 8x, 2x, 6x8x (EE)
- (7)
- (8) OpenGL ES3.2, Vulkan 1.0, OpenCL 2.0

- (6) Amlogic Video Engine(AVE)
- (7) 4Kx2K@60fps, 1x1080P@60fps
- (8) "H.265" HEVC
- (9) VP9, H.265 HEVCMP-10@L5.1, AVS2-P2, H.264 AVCHP@L5.1, H.264 MVC, MPEG-4 ASP@L5, WMV/VC-1 SP/MP/AP, AVS-P16(AVS) /AVS-P2 JiZhun, MPEG-2 MP/HL, MPEG-1MP/HLupto1080P@60fps, RealVideo 8/9/10, MJPEG, JPEG, \*.mkv, \*.wmv, \*.mpg, \*.mpeg, \*.dat, \*.avi, \*.mov, \*.iso, \*.mp4, \*.rm, \*.jpg

- (10) H.265/H.264, 1080P@60fps

- (5) CEC, Dynamic HDR, HDCP 2.2, 4Kx2K@60, PHY, HDMI 2.1
- (6) CVBS 480i/576i
- (7) SD/HD/FHD, 480i/p, 576i/p, 720p, 1080i/p, 4Kx2K
- (8) 4x MIPI DSI, 1920\*1080

**Amlogic A311D** TV AI, **Amlogic A311D** 8K Ultra HD

Android TV AI, 4K 8K

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4GB RAM 64GB, SD

