

Amlogic A311D SoC 9 TV (4GB, WiFi, HDMI)

CPU	
Amlogic A311D TV	Amlogic A311D ARM Cortex A73 ARM Cortex A53 1.98Ghz
GPU	
ARM Mali-G52 MP4(6EE)	OpenGL ES 3.2, Vulkan 1.1 OpenCL 2.0
RAM	
DDR4 2GB/4GB	
Storage	
16GB eMMC(128GB)	
OS	
	Android 9.0
Video & Audio	
4K H265 10Bit, H.264, AVS, MPEG-2	
MPEG1, MPEG2, MPEG4, H.264, WMV, MKV, TS, flv, MP3	JPG, JPEG, BMP, PNG, GIF
I/O	
1x LVDS 40pin 2.0mm, 8pin, 10pin	
1x HDMI	
1x AV	
Camera	
x1, MIPI CSI	
4x 2.5mm 25W@2, 3W@2	
x1, 10M/100M	
WiFiBT, 2.4G, 2.4G/5G	
PCIE (4G) x1, M.2 (4G) x1	
USB2.0	
USB OTG x1	
USB x7	
x2, 6pin 2.0mm	
x1, 7pin 2.0mm, LED	
x4	
TF	x1
SIM	x1
RTC	
Power	
12V, 2.5DC	

S922X



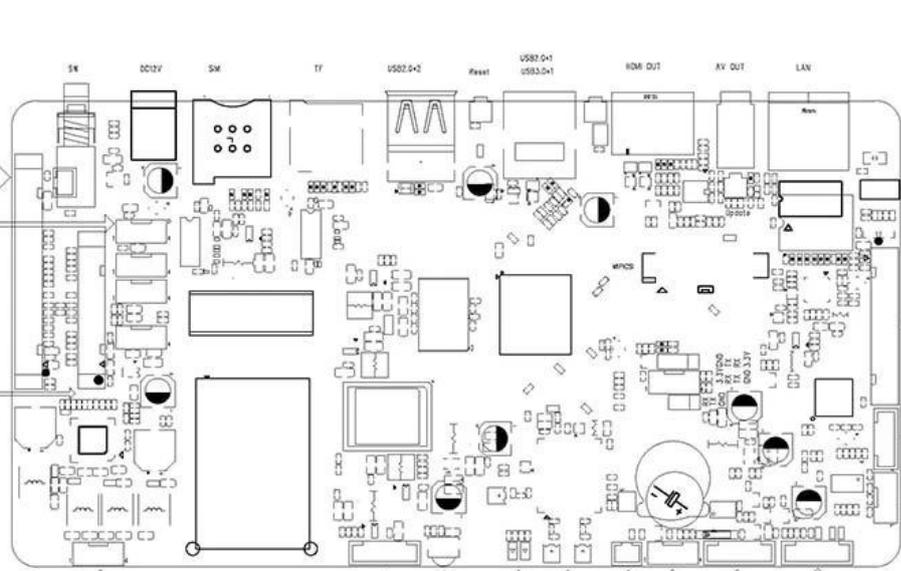
Supported configuration: PCIe2.0 port + USB2.0 Host, or USB3.0 without PCIe

S055T01

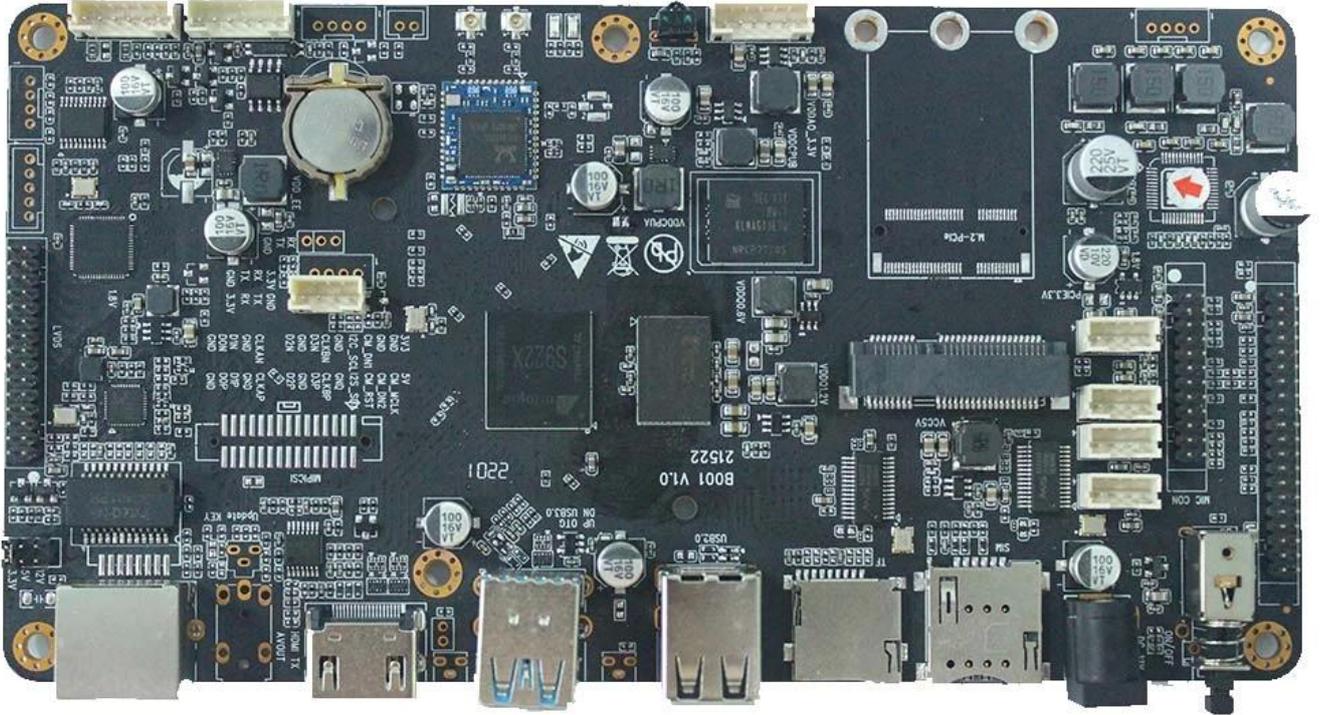


180mm*95mm*20mm

21258 10 1472027



LV95



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

- (2) Network and Storage
 - WiFi, 4G, SD card, AI, and other advanced features.

- (3) Other Features

- 1000 1000 1000
- 1000 1000 1000 1000
- U 1000 1000 1000 1000
- 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 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 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" HEVCMP-10@L5.1, 4Kx2K@60fps
- (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) JPEG, H.265/H.264, 1080P@60fps, H.265/H.264

- (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 SoC 9 TV, Amlogic A311D TV, A311D SoC

Android TV, 4GB RAM, 64GB, SD

Amlogic A311D Android 9 TV, Wi-Fi, 4K Ultra HD, Netflix, YouTube, Wi-Fi, Bluetooth

9 OS, TV, Android 9 OS

