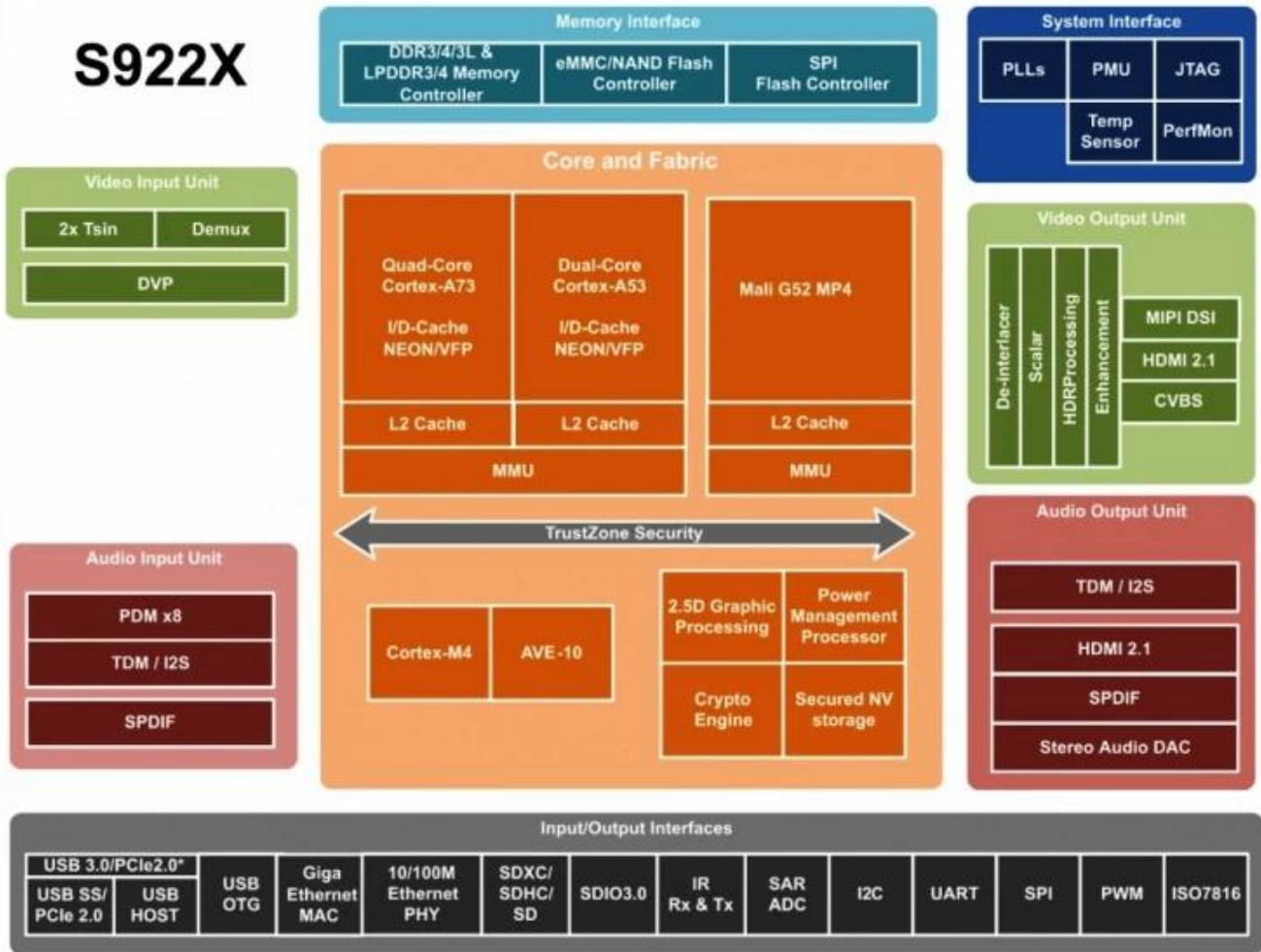


Android TV Box Manufacturer Streaming TV Box Manufacturer Android IPTV Box

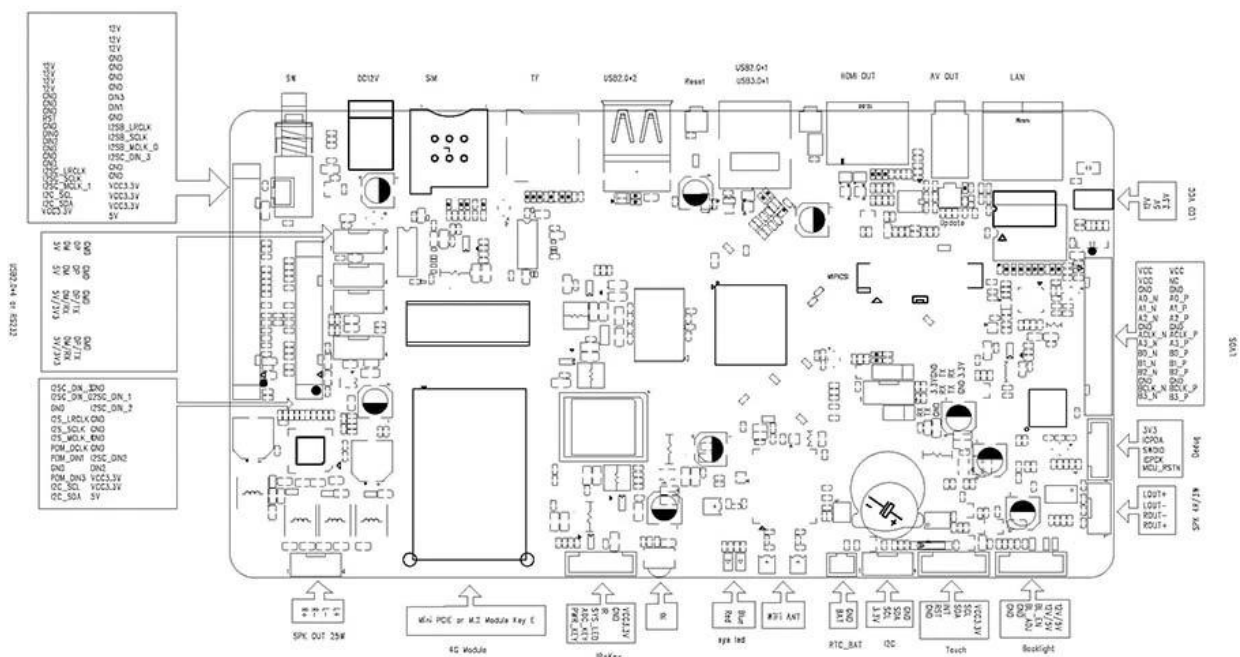
Specifications	
Model No.	Amlogic A311D Android TV Box Manufacturer
CPU	Amlogic A311D Quad Core ARM Cortex A73 and Dual Core ARM Cortex A53 1.98Ghz
GPU	ARM Mali-G52 MP4 (6EE) OpenGL ES 3.2, Vulkan 1.1 and OpenCL 2.0
RAM	DDR4 2GB/4GB
ROM	16GB eMMC (Expandable up to 128GB)
OS	Android 9.0
Video&Audio CODEC	
Decoding resolution	Support 4K H265 10Bit, H.264, AVS, MPEG-2 and many other formats
Multimedia Support	Support MPEG1, MPEG2, MPEG4, H.264, WMV, MKV, TS, flv and other video formats; Support MP3 and other audio formats; support JPG, JPEG, BMP, PNG, GIF and other photo formats
Port	
Video output	1 channel LVDS 40-pin 2.0mm double-pin, can support 8bit, 10bit screen; 1 channel HDMI output; 1 channel AV output
Video input	x1, MIPI CSI
Audio ouput	4-pin 2.5mm socket 25W@2 amplifier and 3W@2 speaker
Network interface	x1, 10M/100M Ethernet WIFI+BT, 2.4G single band or 2.4G/5G dual band for options PCIE slot (4G) x1 or M.2 slot (4G) x1 for options
USB2.0 interface	USB OTG x1 (available for HOST) USB HOST x7
Backlight interface	x2, 6-pin 2.0mm socket
Infrared interface	x1, 7-pin 2.0mm socket, supports both red and green LED indicators
Function expansion port	Serial ports x4
TF card slot	x1
SIM card slot	x1
RTC	Supports time synchronization
Power	
Power Supply	12V, 2.5DC Connector

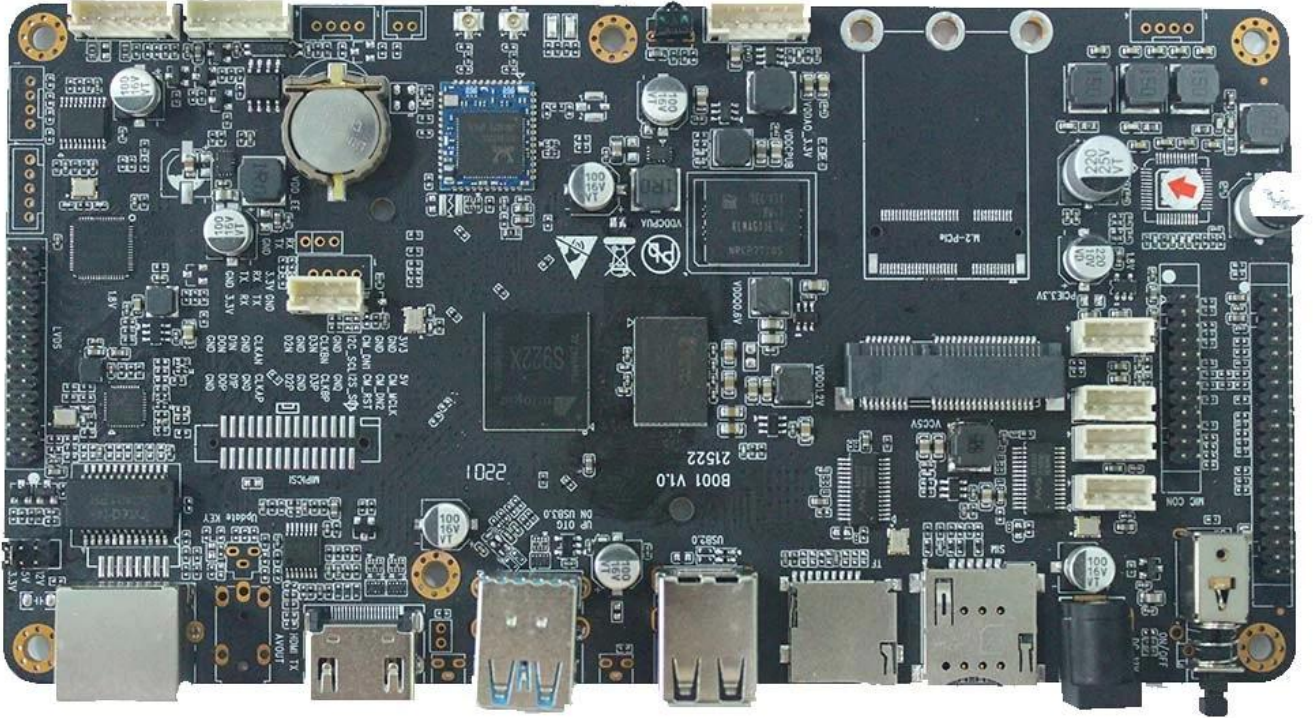
S922X



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

S055T01





Amlogic A311D Android Development Board multimedia network player-LCD driver integrated board adopts Amlogic A311D 12nm high-end chip, which supports UHD 4K@60fps hardware video decoding. It also supports supports H.265 10-bit, H.264 and AVS+ and many other formats. Support HDR10 and HLG high dynamic range processing, with multi-channel UART and USB interfaces. Support Bluetooth, WIFI, 4G and Ethernet functions. Support AV serial use, SD card expansion. Perfectly supports all kinds of touch screens, suitable for high-performance intelligent display terminal equipment, industrial automation terminal, computer vision/algorithm, 3D experience, game/amusement equipment, high-performance face recognition computing/storage, AI intelligence, etc. It can be widely used as a high-end intelligent motherboard for various industries such as finance, advertising, security, transportation, and public transportation.

(1) With various interfaces

- 1 channel LVDS video output (40pins)
- 1 channel HDMI video output
- 5 channels USB2.0
- 4 channels RS232 (can be modified to USB2.0 by patch)
- 1 channel MIPI CSI
- 1 channel AV output
- 1 channel I2C
- I2SC/IS2B
- 1 channel 25W super power amplifier and 3W speaker interface

- (2) Hybrid networking to break through network constraints
 - Support wired, WiFi and 4G access, can realize multi-network hybrid networking
- (3) Easy to operate & fast maintenance
 - Support breakpoint playback
 - Super multi-period timing switch function
 - Support U disk loading or direct playback
 - Support automatic repair, remote upgrade, intelligent domain name resolution

Chip Performance

CPU Sub-system

- (1) Quad Core ARM Cortex-A73 and Dual Core ARM Cortex-A53 CPU
- (2) ARMv8-A architecture with Neon and Crypto extensions
- (3) Unified system L2 cache
- (4) Build-in Cortex-M4 core for always on processing
- (5) Advanced TrustZone security system
- (6) Application based traffic optimization using internal QoS-based switching fabrics

3D Graphics Processing Unit

- (1) ARM Mali-G52 MP4 (4ppc) GPU
- (2) 8-wide warps, 2x dual texture pipe, 6x8-wide execution engines (EE)
- (3) Concurrent multi-core processing
- (4) OpenGL ES3.2, Vulkan 1.0 and OpenCL 2.0 support

Video/Picture CODEC

- (1) Amlogic Video Engine (AVE) with dedicated hardware decoders and encoders
- (2) Support multi-video decoder up to 4Kx2K@60fps+1x1080P@60fps
- (3) Supports multiple "secured" video decoding sessions and simultaneous decoding and encoding
- (4) Video/Picture Decoding

VP9 Profile-2 up to 4Kx2K@60fps

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

AVS2-P2 Profile up to 4Kx2K@60fps

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

H.264 MVC up to 1080P@60fps

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

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

AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps

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

MPEG-1MP/HL up to 1080P@60fps (ISO-11172)

RealVideo 8/9/10 up to 1080P@60fps

Multiple language and multiple format sub-title video support

MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918)

Supports JPEG thumbnail, scaling, rotation and transition effects

Supports *.mkv, *.wmv, *.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm and *.jpg file formats

(5) Video/Picture Encoding

Independent JPEG and H.265/H.264 encoder with configurable performance/bit-rate

JPEG image encoding

H.265/H.264 video encoding up to 1080P@60fps with low latency

Video Output

- (1) Built-in HDMI 2.1 transmitter including both controller and PHY with CEC, Dynamic HDR and HDCP 2.2, 4Kx2K@60 max resolution output
- (2) CVBS 480i/576i standard definition output
- (3) Supports all standard SD/HD/FHD video output formats: 480i/p, 576i/p, 720p, 1080i/p and 4Kx2K
- (4) 4-lane MIPI DSI interface, resolution up to 1920*1080 with rotation and panel calibration

Chip Performance

CPU Sub-system

- (7) Quad Core ARM Cortex-A73 and Dual Core ARM Cortex-A53 CPU

- (8) ARMv8-A architecture with Neon and Crypto extensions
- (9) Unified system L2 cache
- (10) Build-in Cortex-M4 core for always on processing
- (11) Advanced TrustZone security system
- (12) Application based traffic optimization using internal QoS-based switching fabrics

3D Graphics Processing Unit

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

- (5) Built-in HDMI 2.1 transmitter including both controller and PHY with CEC, Dynamic HDR and HDCP 2.2, 4Kx2K@60 max resolution output
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- (7) Supports all standard SD/HD/FHD video output formats: 480i/p, 576i/p, 720p, 1080i/p and 4Kx2K
- (8) 4-lane MIPI DSI interface, resolution up to 1920*1080 with rotation and panel calibration

Welcome to the forefront of entertainment technology with our renowned Android TV Box Manufacturer and Streaming TV Box Manufacturer. As industry leaders, we bring you the best-in-class Android IPTV Box, designed to revolutionize how you experience content on your TV.

1. Superior Performance and Features:

Our Android IPTV Box stands out with its powerful hardware, ensuring smooth streaming, gaming, and multitasking capabilities. With advanced features like 4K resolution support, HDR compatibility, and Dolby Atmos audio, immerse yourself in stunning visuals and immersive sound.

2. Extensive Content Library:

Access a vast array of streaming services, apps, games, and media content through our Android IPTV Box. Explore popular platforms like Netflix, Amazon Prime Video, Hulu, YouTube, Spotify, and

more, all in one convenient interface.

3. Seamless Connectivity Options:

Stay connected with dual-band Wi-Fi, Ethernet, Bluetooth, and USB ports on our Android IPTV Box. Enjoy stable network connectivity, wireless accessory pairing, and expandable storage for your media files.

4. User-Friendly Interface:

Navigate effortlessly through our intuitive user interface, designed for easy access to your favorite content. Customize your home screen, organize apps, and discover new recommendations based on your viewing preferences.

5. Voice Control and Smart Features:

Unlock hands-free control with built-in voice assistants like Google Assistant or Amazon Alexa (if supported). Use voice commands to search for content, control playback, check weather updates, manage smart home devices, and more.

6. Regular Software Updates:

Receive regular software updates and firmware enhancements to ensure optimal performance and security. Stay up to date with the latest features, improvements, and app compatibility for a seamless user experience.

7. Gaming and Multimedia Capabilities:

Transform your TV into a gaming console with access to a wide range of Android games and emulators. Enjoy multimedia playback of photos, videos, and music from various sources, including external storage devices and streaming services.

8. Energy-Efficient Design:

Our Android IPTV Box is designed for energy efficiency, consuming minimal power during operation. Enjoy extended viewing sessions without worrying about excessive energy consumption.

9. Customer Support and Warranty:

Benefit from reliable customer support and warranty coverage from our reputable Android TV Box Manufacturer. Our dedicated team is available to assist you with setup, troubleshooting, and any product-related inquiries.

10. Industry-Leading Innovation:

As pioneers in the industry, our [Android TV Box Manufacturer](#) and Streaming TV Box Manufacturer continue to innovate and evolve. Stay ahead of the curve with cutting-edge technology, future-ready features, and an unparalleled entertainment experience.

In conclusion, our Android IPTV Box from a leading Android TV Box Manufacturer and Streaming TV Box Manufacturer is your gateway to limitless entertainment possibilities. Elevate your TV viewing experience, stay connected, and explore a world of content with our innovative device.