

Wholesale Best Android TV Box, Android TV Box Supplier

Specifications	
Model No.	Amlogic A311D Android TV Box Supplier
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 output	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

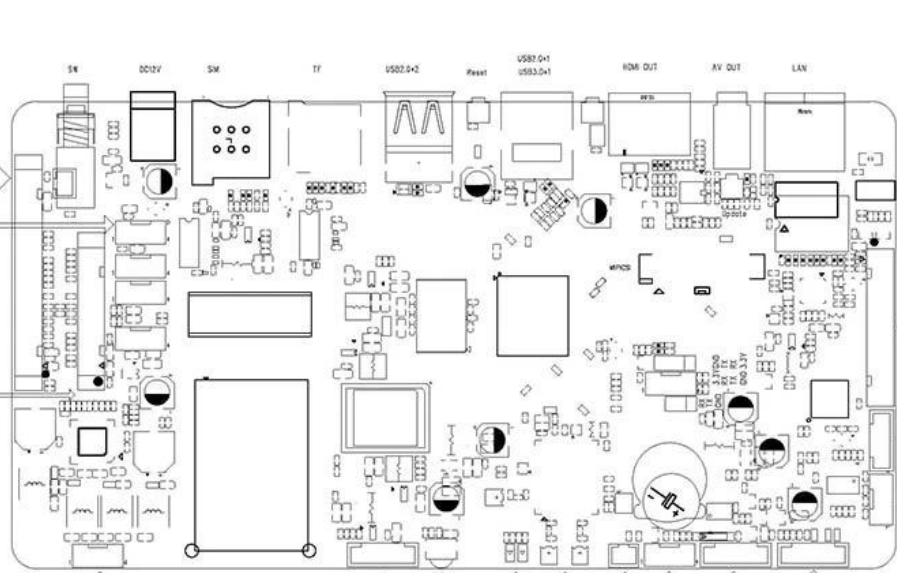
S055T01

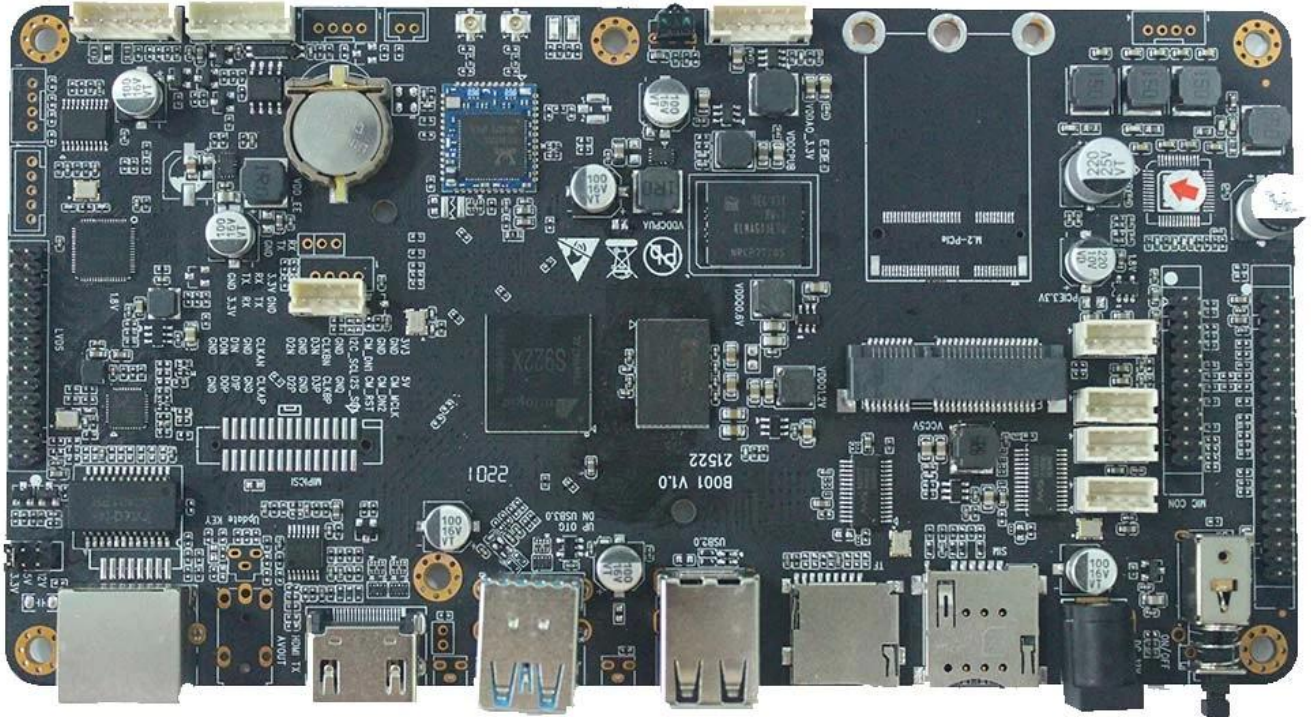


180mm

95mm

180mm*95mm*20mm





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
- (6) 8-wide warps, 2xdual texture pipe, 6x8-wide execution engines(EE)
- (7) Concurrent multi-core processing
- (8) OpenGL ES3.2, Vulkan 1.0 and OpenCL 2.0 support

Video/Picture CODEC

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

VP9 Profile-2 up to 4Kx2K@60fps

- H.265 HEVCMP-10@L5.1 upto 4Kx2K@60fps
- AVS2-P2 Profile up to 4Kx2K@60fps
- H.264 AVCHP@L5.1 upto 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 upto 1080P@60fps(ISO-11172)

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

- Multiple language and multiple format sub-title videosupport
- 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

(10) 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 lowlatency

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
- (6) CVBS 480i/576i standard definition output
- (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 our platform, your ultimate destination for wholesale Android TV boxes. We take pride in being one of the top suppliers in the industry, offering a wide range of high-quality Android TV boxes designed to elevate your entertainment experience.

As a wholesale supplier, we understand the importance of providing top-notch products at competitive prices. Our commitment to quality, performance, and customer satisfaction sets us apart as a trusted partner for retailers, distributors, and businesses looking to offer the best Android TV boxes to their customers.

Our selection of Android TV boxes caters to diverse needs and preferences, ensuring that you can find the perfect device for your target market. Whether you're looking for budget-friendly options or premium models with advanced features, we have you covered.

Our wholesale Android TV boxes come equipped with the latest technologies and features to deliver an immersive entertainment experience. From powerful processors and ample RAM to support for high-resolution 4K content and HDR, our devices are capable of handling all your streaming, gaming, and multimedia needs.

One of the key advantages of partnering with us as your wholesale supplier is our competitive pricing. We offer attractive bulk discounts and flexible pricing options, allowing you to maximize your profit margins while offering competitive retail prices to your customers.

In addition to competitive pricing, we prioritize customer satisfaction and support. Our dedicated team is available to assist you every step of the way, from product selection and ordering to after-sales support and troubleshooting. We strive to build long-term partnerships based on trust, reliability, and mutual success.

When you choose us as your wholesale [Android TV box supplier](#), you can expect:

1. **High-Quality Products:** Our Android TV boxes undergo stringent quality checks to ensure optimal performance and durability.
2. **Competitive Pricing:** Enjoy wholesale discounts and favorable pricing structures to boost your profitability.
3. **Wide Product Range:** Choose from a diverse range of Android TV boxes to cater to different customer preferences.
4. **Excellent Customer Support:** Our team is committed to providing prompt and efficient support to address any queries or concerns.
5. **Timely Delivery:** We prioritize timely order processing and shipping to ensure you receive your products on schedule.

Partner with us today and gain access to the best Android TV boxes on the market. Elevate your business and delight your customers with cutting-edge entertainment solutions.