

# OEM TV Box Android Manufacturer, Custom Android TV Box Supplier

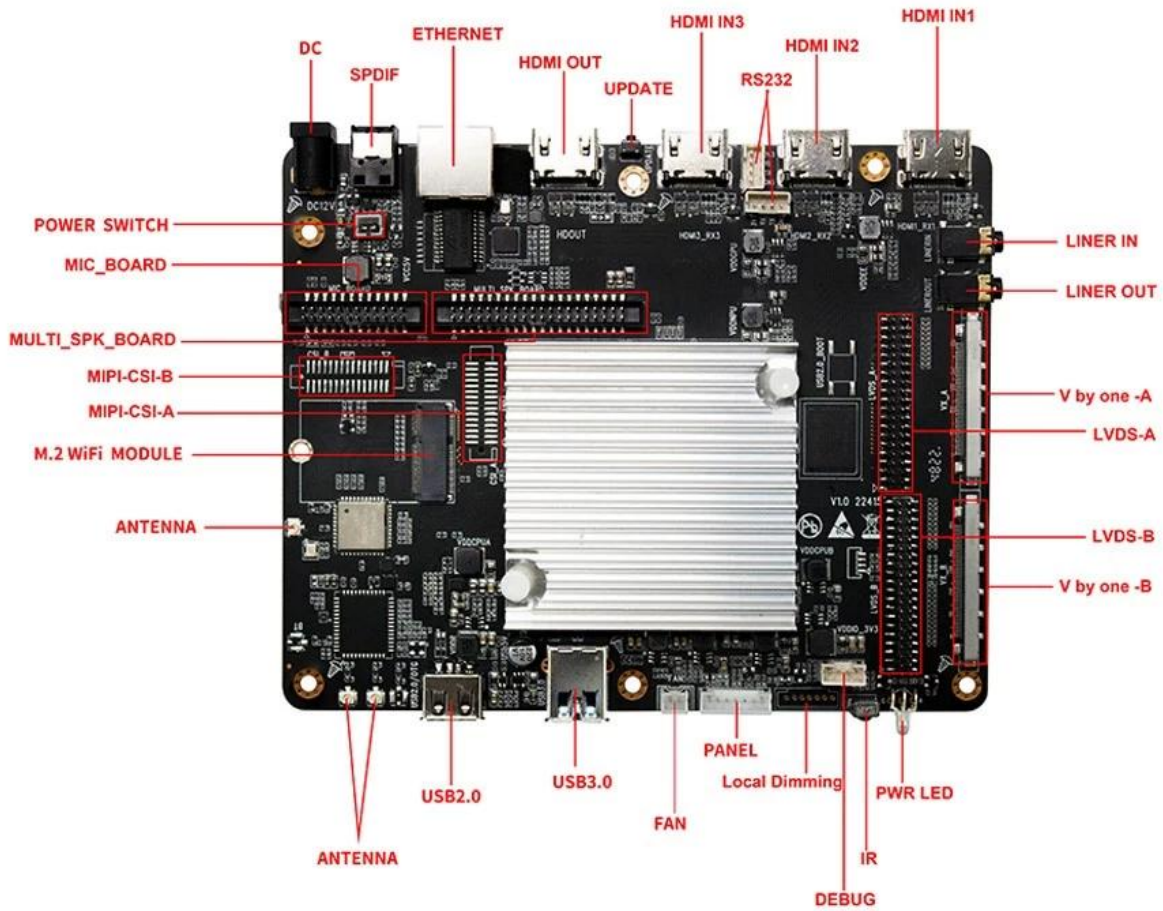
## Specifications

Model No.	Amlogic A311D2 OEM TV Box Android Manufacturer
CPU	Amlogic A311D2 Quad Core Cortex-A73 + Quad Core Cortex-A53
GPU	ARM Mali-G52 MP8
RAM	4GB (max to 8GB/32GB for options)
ROM	32GB (64GB/128GB/256GB options)
OS	Android 11.0
Wi-Fi / BT	Built-in Wi-Fi (standard single band 2.4G supported; Dual band 2.4G/5G for options); BT4.2 or BT5.0 ( M.2 port for option)

## I/O Port

HDMI input	3*HDMI input
HDMI output	1*HDMI output
LVDS output	1 single/dual, can directly drive 50/60Hz LCD
V-By-One output	2*8-lane V-by-One, up to 4Kp60; support 4K*2K@60Hz output
Screen backlight interface	5V/12V power, Local Dimming or PWM dimming
USB port	1*USB 3.0 A port USB 2.0 A port ( for burning firmware) or ( mini USB OTG for option)
Serial ports	2*serial ports (2*RS232 or 2*TTL ports; If need TF card slot, then only 1* serial port available.)
Camera CSI	2*CSI input
MIC PDM	Some of the function pins are multiplexed with Camera CSI, need to confirm before use
Spk BOARD	Support I2S output
Ethernet	1*RJ45 port, 100M/1000M
SPDIF	SPDIF or COAX output for option
Line in	AUDIO_Line in
Line out	AUDIO_Line out
RTC	Support timer switch on/off
IR	IR receiver (on-board IR receiver for option)
Power LED	On-board or matching function board for option
Upgrade	Support local upgrade by TF & USB or OTA upgrade

Power Supply	5V/12V Power
--------------	--------------







T085T01

## Applicable Scope

Amlogic A311D2 Android Smart Integrated Board motherboard integrates multimedia network playback, LCD driver and Android intelligence, mainly for supporting LVDS and V-by-one screens of various sizes and resolutions. It is suitable for smart shelf, door advertising, commercial display, etc. It can also be applied to intelligent display terminal products, video terminal products, industrial automation terminal products, commercial display, self-service products, intelligent education, new retail and many other display fields. Such as: multimedia advertising machine, intelligent self-service terminal, intelligent retail terminal, etc.

## Product Overview

Amlogic A311D2 Android Smart Integrated Board motherboard is powered by Amlogic A311D2 chip with Android 11.0 OS; with superb audio and video processing capabilities. Octa-core processor designed for smart display applications, quad-core Cortex-A73 & quad-core Cortex-A53, up to 2.2GHz; Mali-G52 MP8 (8EE) GPU; supports up to 4Kp60 with 3\*HDMI 2.1 inputs, one 16MP ISP and 4K video encoding. Support 4K\*2K@60fps, H.265 hard decode and many other formats, rich peripheral interfaces.

## Product Features

- \*On-board V-By-One / LVDS output interface, no converter chip required;
- \*Support Ethernet & WiFi (M.2 port option) both and RTC;
- \*Rich expansion interfaces: 1\*OTG USB port, 1\*USB 3.0 A port, 2\*RS232 serial ports, 1\*TTL serial

port, 1\*ADC interface; which is adaptable to various peripheral access requirements in the market;  
\*Support HDMI + LVDS or HDMI + V-by-one screen dual screen outputs;  
\*High definition: Supports up to 4K\*2K@60fps decoding and various LCD displays and cutting screens which with LVDS or V-By-One interfaces;  
\*2\*4-lane MIPI-DSI interfaces with resolution up to 1920\*1200;  
\*Support customization for Android system, providing reference code for the system call interfaces API. Perfectly support customer in upper layer application APP development;  
\*Support AV1, MP-10, VP9, AVS2, MPEG2, MPEG4, H.265, wmv, mkv, mov, iso and other mainstream video formats;  
\*Support 4K screenshot and recording;  
\*High memory bandwidth to support 4K user interface;

Welcome to our OEM TV box Android manufacturing services, where we specialize in creating custom Android TV boxes tailored to your specific requirements. Here's why we're your ideal partner as a custom Android TV box supplier:

### **1. Tailored OEM Android TV Box Solutions:**

We offer a comprehensive range of OEM Android TV boxes, customized to suit your branding, features, specifications, and budget. Whether you need basic functionality or advanced smart features, we can deliver tailored solutions.

### **2. Cutting-Edge Technology and Features:**

Our OEM Android TV boxes incorporate cutting-edge technology, including powerful processors, ample RAM and storage, 4K UHD support, HDR compatibility, multiple connectivity options, and smart features like voice control and AI integration.

### **3. Customization Options:**

As your custom Android TV box supplier, we provide extensive customization options. Choose from a variety of hardware configurations, software optimizations, user interfaces, branding elements, pre-installed apps, and more to create a unique product.

### **4. Branding and Logo Integration:**

Enhance brand visibility and recognition by integrating your logo, brand colors, and visual identity into the design of the Android TV boxes. Create a cohesive brand experience for your customers and partners.

### **5. Software Customization and App Integration:**

We offer software customization services, allowing you to tailor the user interface, app ecosystem, firmware features, and settings to align with your target market and user preferences. Integrate specific apps, streaming services, and functionalities to enhance the user experience.

### **6. Quality Assurance and Testing:**

Our OEM TV box Android manufacturing process includes rigorous quality assurance measures and testing protocols. Each device undergoes thorough testing for performance, stability, compatibility, and durability to ensure a reliable product.

## **7. Scalability and Flexibility:**

Benefit from our scalable manufacturing capabilities, accommodating both small-scale and large-scale orders with flexibility. We can adapt to changing market demands, production volumes, and project timelines to meet your business needs effectively.

## **8. Competitive Pricing and Cost-Effectiveness:**

Despite offering custom solutions, we maintain competitive pricing and cost-effectiveness. Take advantage of bulk pricing, efficient production processes, and optimized supply chain management to maximize your ROI.

## **9. Dedicated Support and Collaboration:**

Receive dedicated support and collaborative assistance throughout the OEM manufacturing process. Our team of experts works closely with you from concept to delivery, providing technical guidance, project management, and post-sales support.

## **10. Global Shipping and Logistics:**

We facilitate global shipping and logistics to deliver your custom Android TV boxes to various markets worldwide. Benefit from reliable shipping partners, efficient delivery times, and seamless logistics management.

In summary, as a leading OEM [TV box Android manufacturer](#) and custom Android TV box supplier, we offer tailored solutions, cutting-edge technology, extensive customization, quality assurance, scalability, competitive pricing, dedicated support, and global shipping capabilities. Collaborate with us to create innovative and branded Android TV box solutions that resonate with your target audience and drive business growth.