

# Best Android Smart TV Box Manufacturer

## Specifications

Model No.	Amlogic A311D2 Best Android Smart TV Box 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
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## 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 the world of ultimate entertainment with our Best Android Smart TV Box Manufacturer. Our state-of-the-art Android TV boxes are designed to revolutionize how you experience media, offering a wide range of features and functionalities to enhance your viewing pleasure.

### **Key Features of Our Best Android Smart TV Box:**

1. **Powerful Performance:** Equipped with advanced processors and ample RAM, our Android TV boxes ensure smooth and lag-free performance, allowing you to stream content, play games, and multitask with ease.
2. **4K Ultra HD Support:** Immerse yourself in stunning visuals with support for 4K Ultra HD resolution, delivering crisp and lifelike images for an unparalleled viewing experience.
3. **Smart TV Capabilities:** Transform your standard TV into a smart TV with our Android TV box, granting access to a plethora of streaming services, apps, games, and online content.
4. **Dual-band Wi-Fi:** Enjoy fast and stable internet connectivity with dual-band Wi-Fi support, minimizing buffering and ensuring seamless streaming of high-definition content.
5. **Versatile Connectivity:** Connect your external devices such as USB drives, external hard disks, and gaming controllers to expand your entertainment options and enhance functionality.
6. **User-Friendly Interface:** Navigate effortlessly through menus, apps, and settings with a user-friendly interface and intuitive remote control, making it accessible for users of all ages.
7. **Voice Control:** Some models feature built-in voice control capabilities, allowing you to search for content, adjust settings, and control playback using simple voice commands.

### **Experience Limitless Entertainment:**

1. **Streaming Services:** Access popular streaming platforms like Netflix, Hulu, Amazon Prime Video, Disney+, and more to stream your favorite movies, TV shows, and documentaries.

2. **Gaming:** Discover a vast library of Android games on the Google Play Store, transform your TV into a gaming console, and enjoy immersive gaming experiences with friends and family.
3. **Live TV and Sports:** Stay updated with live TV channels, sports events, news broadcasts, and on-demand content, bringing the best of television directly to your screen.
4. **Media Playback:** Play media files from various sources including USB storage devices, network drives, and streaming services, supporting a wide range of audio and video formats.
5. **Customization:** Customize your home screen, app layouts, and settings to suit your preferences, creating a personalized entertainment hub tailored to your lifestyle.

Our Best [Android Smart TV Box Manufacturer](#) is committed to delivering top-of-the-line products that redefine home entertainment. Elevate your viewing experience, unlock endless possibilities, and enjoy a seamless blend of technology and entertainment right at your fingertips.