

Best Android TV Box 4K Ultra HD Amlogic A311D2 4GB 32GB Set Top Box

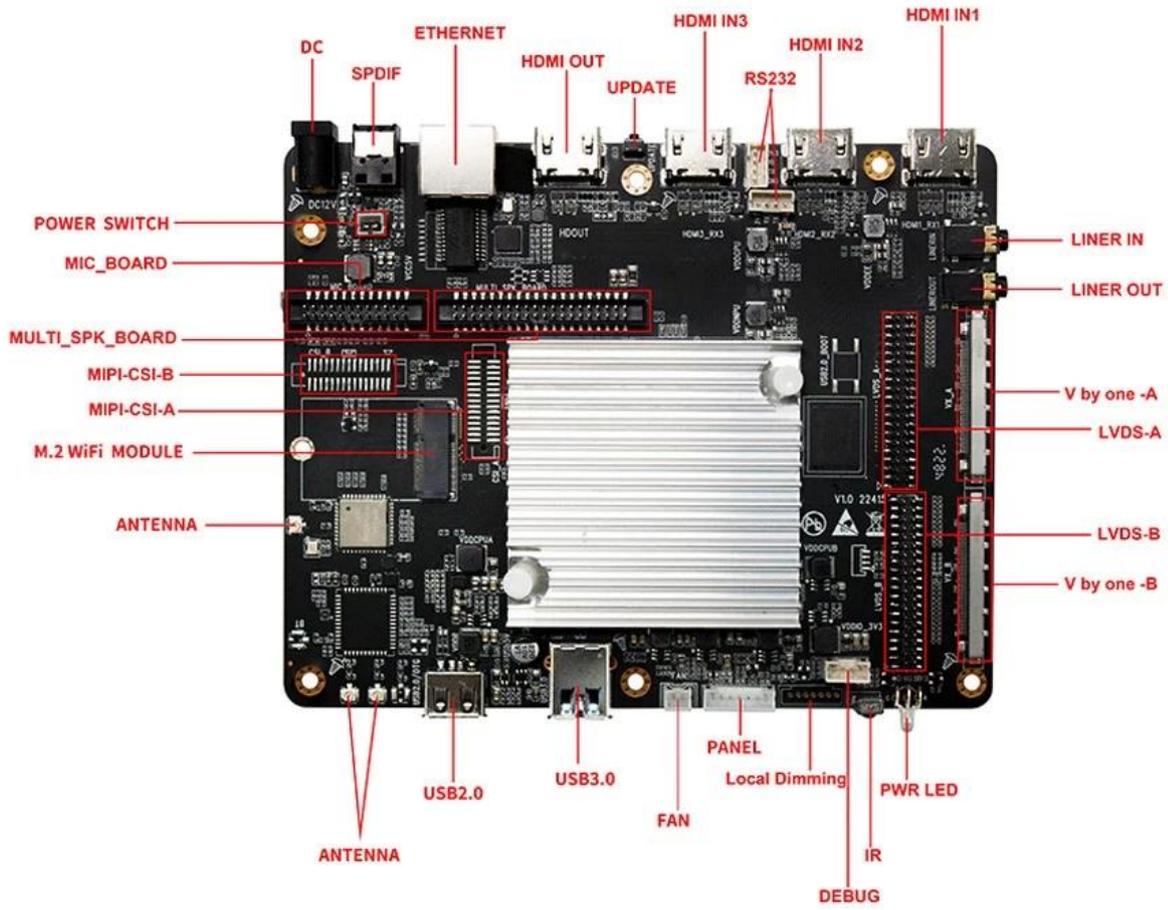
Specifications

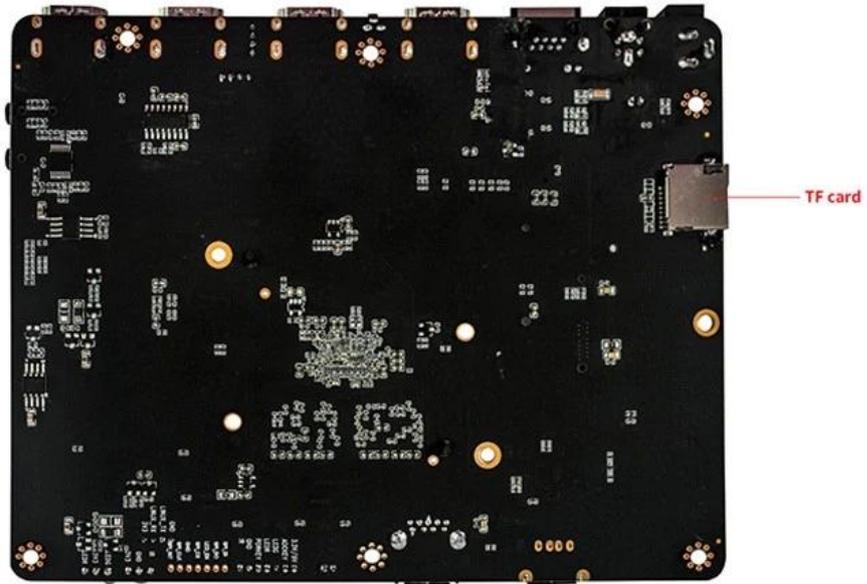
Model No.	Amlogic A311D2 Best Android TV Box 4K Ultra HD
CPU	Amlogic A311D2 Quad Core Cortex-A73 + Quad Core Cortex-A53
GPU	ARM Mali-G52 MP8
RAM	4GB (max to 8GB/32GB for options)
ROM	32GB (64GB/128GB/256GB options)
OS	Android 11.0
Wi-Fi / BT	Built-in Wi-Fi (standard single band 2.4G supported; Dual band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

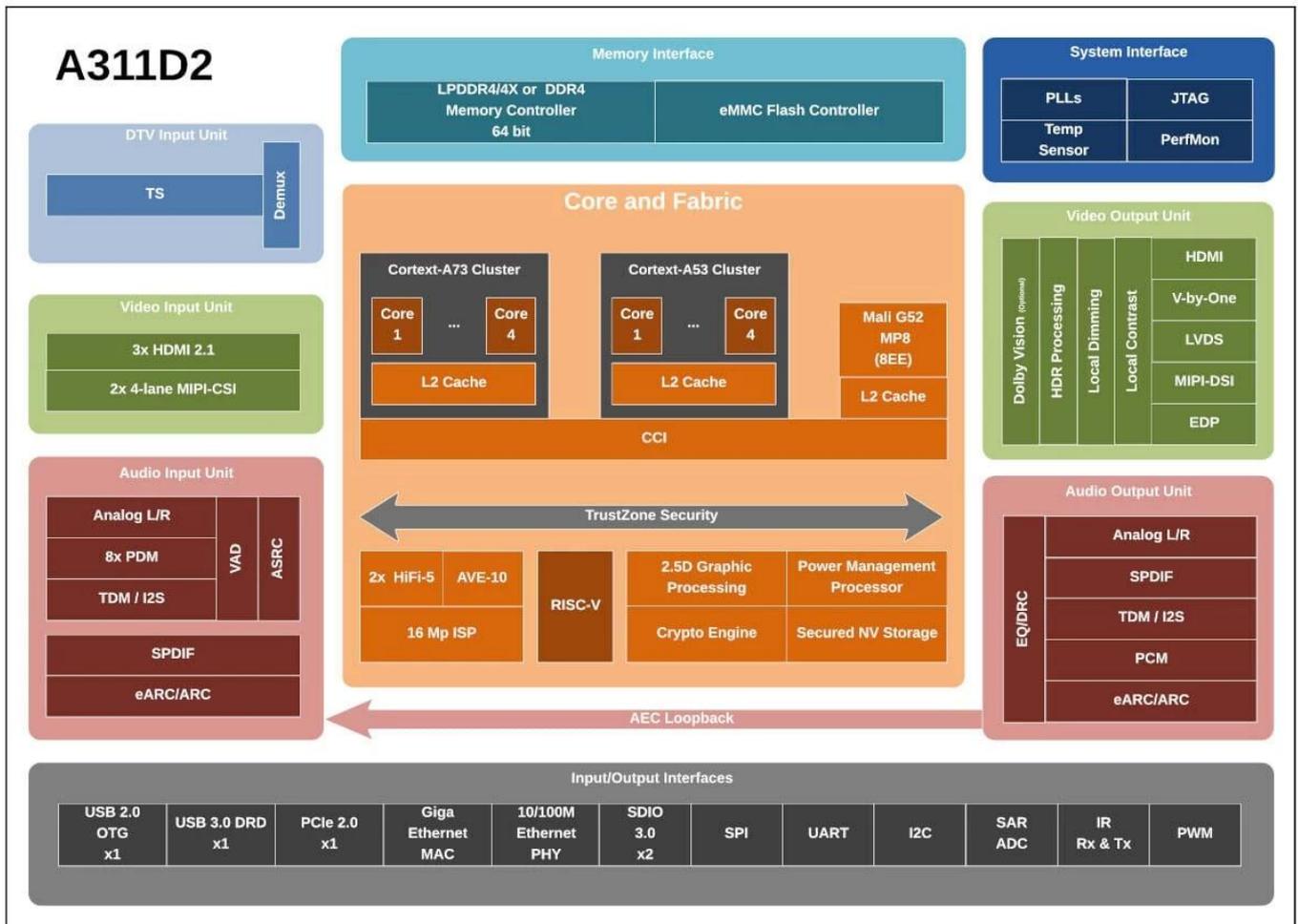
I/O Port

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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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;

Discover a new dimension of home entertainment with the Best Android TV Box 4K Ultra HD, equipped with the cutting-edge Amlogic A311D2 chipset. This device is designed to bring you unparalleled performance and high-quality visuals, ensuring every viewing experience is exceptional.

With 4GB of RAM, the TV box handles multitasking effortlessly, allowing you to switch between apps, stream content, and play games without any lag. The 32GB of internal storage provides ample space for your favorite apps, games, and media files, ensuring you have everything you need right at your fingertips.

The 4K Ultra HD resolution offers breathtaking clarity and detail, making your movies, TV shows, and games look better than ever. Whether you're watching a high-speed action movie or a serene nature documentary, the vivid colors and sharp details will draw you into the scene, providing a truly immersive experience.

This Android TV box comes with a user-friendly interface that is easy to navigate, even for those who are not tech-savvy. The device supports a wide range of apps from the Google Play Store, including popular streaming services like Netflix, YouTube, and Amazon Prime Video. This means you have access to a vast library of content to keep you entertained for hours on end.

The Amlogic A311D2 processor not only enhances the performance but also supports advanced features like HDR (High Dynamic Range), which further enhances the picture quality by providing better contrast and more vibrant colors. This makes every scene more realistic and engaging.

In addition to its impressive hardware, the TV box also offers excellent connectivity options. It features multiple USB ports, an HDMI output, and support for Bluetooth and Wi-Fi, allowing you to connect various devices and accessories. Whether you want to connect a gaming controller, external hard drive, or wireless keyboard, this TV box has you covered.

Setting up the Best Android TV Box 4K Ultra HD is a breeze. Simply connect it to your TV via HDMI, power it up, and follow the on-screen instructions to get started. The compact and sleek design ensures it fits seamlessly into any entertainment center without taking up much space.

In summary, the Best [Android TV Box 4K](#) Ultra HD with Amlogic A311D2 is a powerhouse of entertainment. With its robust performance, ample storage, stunning picture quality, and user-friendly interface, it is the perfect addition to any home. Elevate your viewing experience and enjoy endless entertainment possibilities with this top-of-the-line Android TV box.