

Android TV Box Supplier

Specifications

Model No.	Amlogic A311D2 Android TV Box Supplier
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;

As a leading Android TV Box supplier, we offer top-tier solutions designed to enhance your entertainment experience. Our devices combine cutting-edge technology, seamless streaming capabilities, and versatile connectivity options to provide you with an unparalleled viewing and gaming experience.

Our Android TV Boxes are equipped with advanced features such as support for high-definition and 4K resolutions, ensuring crisp and detailed visuals for your favorite movies, TV shows, and games. Powered by the Android operating system, these devices provide access to a vast library of apps, games, and content through the Google Play Store. Whether you're streaming media, playing games, or using productivity apps, our Android TV Boxes offer endless possibilities.

Connectivity options are comprehensive, with built-in Wi-Fi and Ethernet support ensuring fast and stable internet connections. This is essential for seamless streaming of high-definition content without buffering or interruptions. Multiple USB ports and expandable storage options provide flexibility for connecting peripherals and storing media files, enhancing convenience and usability.

The user interface is designed to be intuitive and user-friendly, making navigation effortless. Whether you're setting up the device for the first time, exploring apps, or adjusting settings, everything is streamlined for a smooth and enjoyable user experience.

Our commitment to quality extends to our customer service and support. As a trusted Android TV Box supplier, we prioritize customer satisfaction and strive to provide prompt assistance and solutions to any inquiries or issues you may encounter.

In summary, our [Android TV Box](#) solutions from a top supplier offer cutting-edge technology, seamless streaming, versatile connectivity, and excellent customer support. Whether you're a casual viewer, a gaming enthusiast, or a multimedia user, our Android TV Boxes are the ultimate entertainment partner for your home.