

Android TV Box Supplier OEM Internet TV Box Supplier

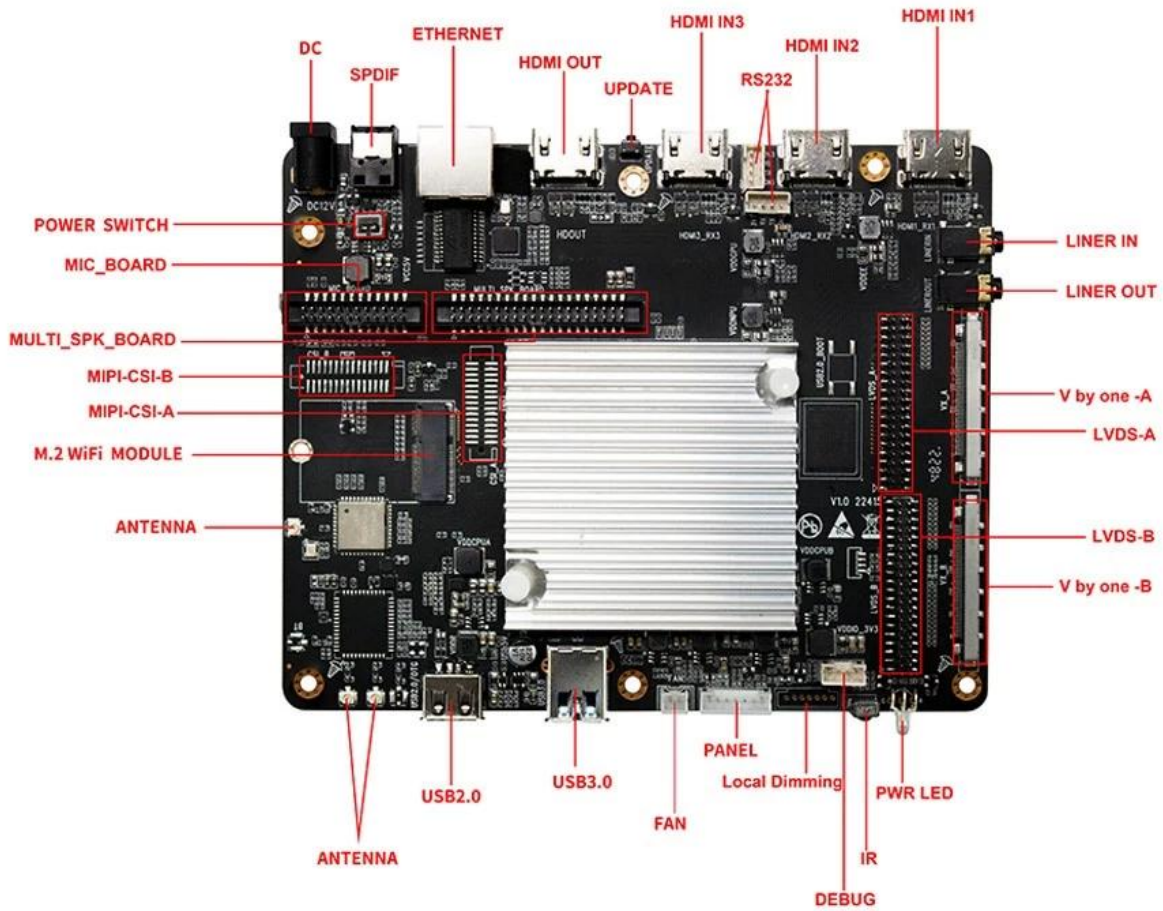
Specifications

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|------------|--|
| 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

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|----------------------------|--|
| 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 renowned Android TV Box Supplier and OEM Internet TV Box Provider. We specialize in delivering innovative solutions that redefine home entertainment.

About Our Android TV Box Solutions:

1. **Cutting-Edge Technology:** Our Android TV boxes feature advanced processors, high-speed connectivity, and 4K resolution support for immersive viewing experiences.
2. **Seamless Streaming:** Enjoy seamless streaming of your favorite movies, TV shows, and games with our optimized Android TV Box solutions.
3. **User-Friendly Interface:** Navigate effortlessly with intuitive interfaces, remote controls, and voice command options for a hassle-free entertainment experience.
4. **Customizable Solutions:** Partner with us for OEM Internet TV Box solutions tailored to your brand's specifications. Customize features, branding, and user interface to align with your vision.
5. **Reliable Performance:** Our TV boxes undergo rigorous testing to ensure reliability, stability, and consistent performance.

Why Choose Us as Your Android TV Box Supplier and OEM Partner?

- **Industry Expertise:** With years of experience, we understand the evolving needs of the entertainment industry and deliver innovative solutions.
- **Quality Assurance:** Our products are built to the highest quality standards, ensuring long-term reliability and customer satisfaction.
- **Dedicated Support:** Benefit from our dedicated support team, providing assistance with setup, troubleshooting, and ongoing technical support.

- **Customization Options:** Stand out in the market with customized OEM Internet TV Box solutions that reflect your brand identity and offer unique features.

Partner with us as your trusted [Android TV Box](#) Supplier and OEM Internet TV Box Provider to unlock new possibilities in home entertainment. Elevate your brand and delight customers with seamless streaming experiences and cutting-edge technology.