Android Internet TV Box, Android TV Box Supplier, Best Android TV Box Manufacturer

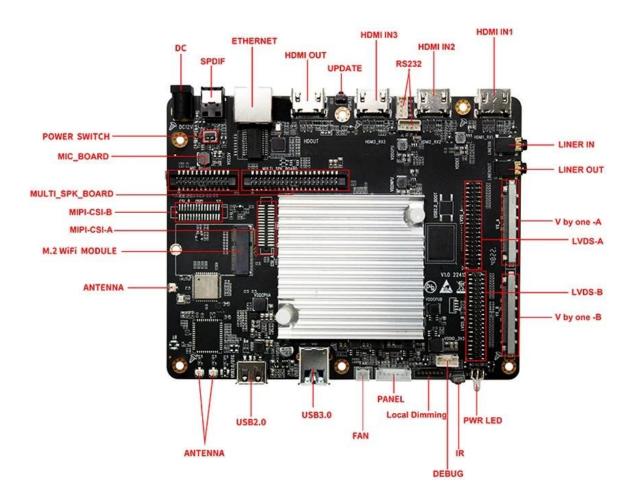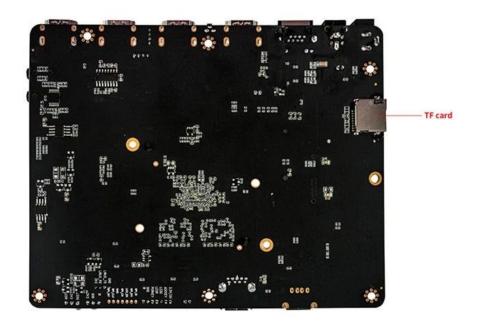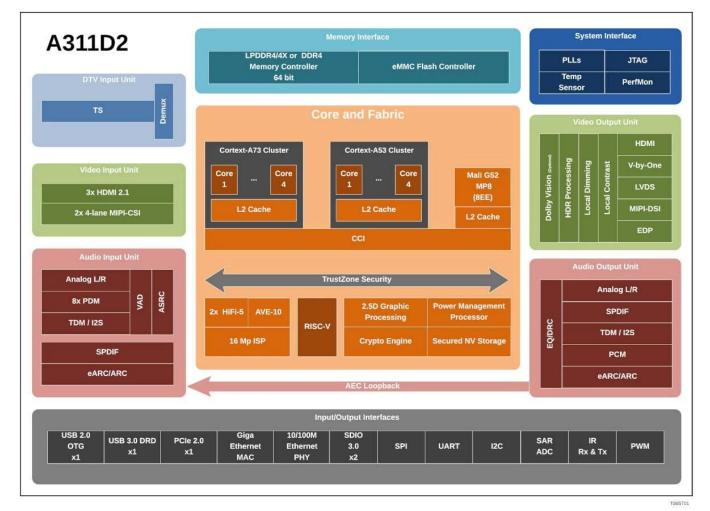| Specifications	
Model No.	Amlogic A311D2 Android TV Box Supplier
CPU	Amlogic A311D2 Quad Core Cortex-A73 + Quad Core Cortex-A53
GPU	ARM Mali-G52 MP8
RAM	4GB (max to 8GB/32GB for options)
ROM	32GB (64GB/128GB/256GB options)
OS	Android 11.0
Wi-Fi / BT	Built-in Wi-Fi (standard single band 2.4G supported; 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

ONENUTS

DC
SPDIF
ETHERNET
HDMI OUT
UPDATE
HDMI IN3
RS232
HDMI IN2
HDMI IN1

POWER SWITCH
MIC_BOARD
MULTI_SPK_BOARD
MIPI-CSI-B
MIPI-CSI-A
M.2 WiFi MODULE
ANTENNA

LINER IN
LINER OUT
V by one -A
LVDS-A
LVDS-B
V by one -B

USB2.0
USB3.0
FAN
PANEL
Local Dimming
DEBUG
IR
PWR LED

ANTENNA

TF card

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 the ultimate entertainment experience with our cutting-edge Android Internet TV Box, crafted by the leading Android TV Box Supplier and Manufacturer. This state-of-the-art device combines advanced technology, seamless connectivity, and an array of features to redefine how you enjoy content on your TV.

1. High-Performance Hardware:

Powered by a robust processor and ample memory, our Android Internet TV Box ensures smooth and lag-free performance. Whether you're streaming 4K videos, playing games, or multitasking between apps, expect a responsive and immersive experience.

2. Android Operating System:

Running on the latest version of Android, our TV Box provides access to a vast ecosystem of apps, games, and content through the Google Play Store. Enjoy your favorite streaming services, productivity tools, social media platforms, and more directly on your TV screen.

3. Seamless Streaming and Gaming:

With support for high-definition and 4K content, our TV Box delivers stunning visuals and crisp audio. Stream your favorite movies, TV shows, and videos with exceptional clarity, or dive into immersive gaming experiences right from your couch.

4. Connectivity Options:

Our Android Internet TV Box offers versatile connectivity options, including Wi-Fi, Ethernet, Bluetooth, USB ports, and more. Connect wirelessly to your home network, pair Bluetooth accessories like keyboards or game controllers, and expand storage with USB drives.

5. Voice Control and Smart Features:

Experience hands-free control with built-in voice assistants like Google Assistant or Amazon Alexa (if supported). Use voice commands to search for content, control playback, get weather updates, and perform various tasks without lifting a finger.

6. User-Friendly Interface:

Navigate effortlessly through menus, apps, and settings with our intuitive user interface. Customize your home screen, organize apps, and access frequently used features with ease for a personalized entertainment experience.

7. Regular Updates and Support:

Stay up to date with the latest features, security patches, and enhancements through regular software updates. Our dedicated support team is also available to assist you with any inquiries or technical issues.

8. Compact and Stylish Design:

The sleek and compact design of our Android TV Box complements any home entertainment setup. Its minimal footprint ensures easy integration into your media center while adding a modern touch to your living space.

9. Energy-Efficient Operation:

Our TV Box is designed for energy efficiency, consuming minimal power during operation. Enjoy hours of entertainment without worrying about high electricity bills.

10. Versatile Applications:

From streaming media and gaming to productivity and education, our Android Internet TV Box caters to a wide range of applications. Transform your TV into a multimedia hub for the whole family to enjoy.

In conclusion, our Android Internet TV Box from a trusted [Android TV Box Supplier](#) and Manufacturer is your gateway to a world of entertainment, connectivity, and smart features. Elevate your TV viewing experience and unlock endless possibilities with our innovative device.