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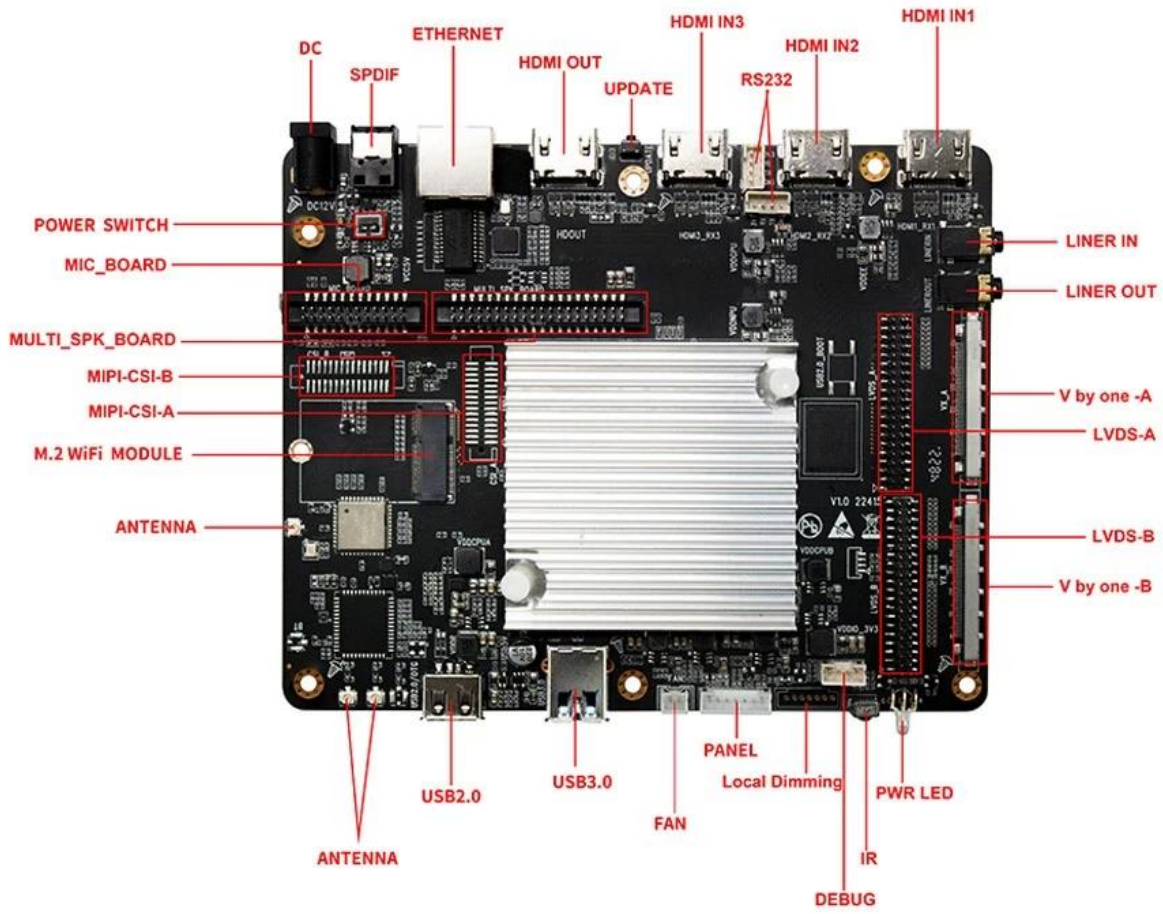
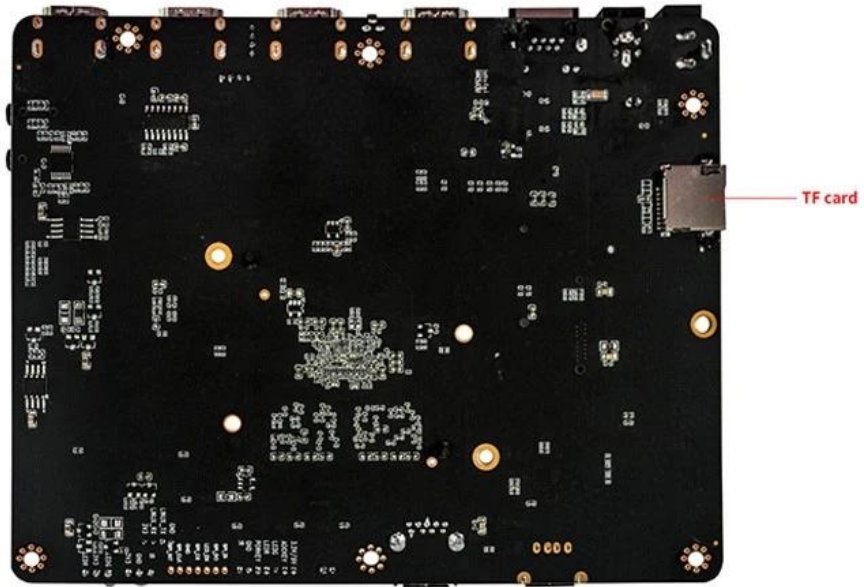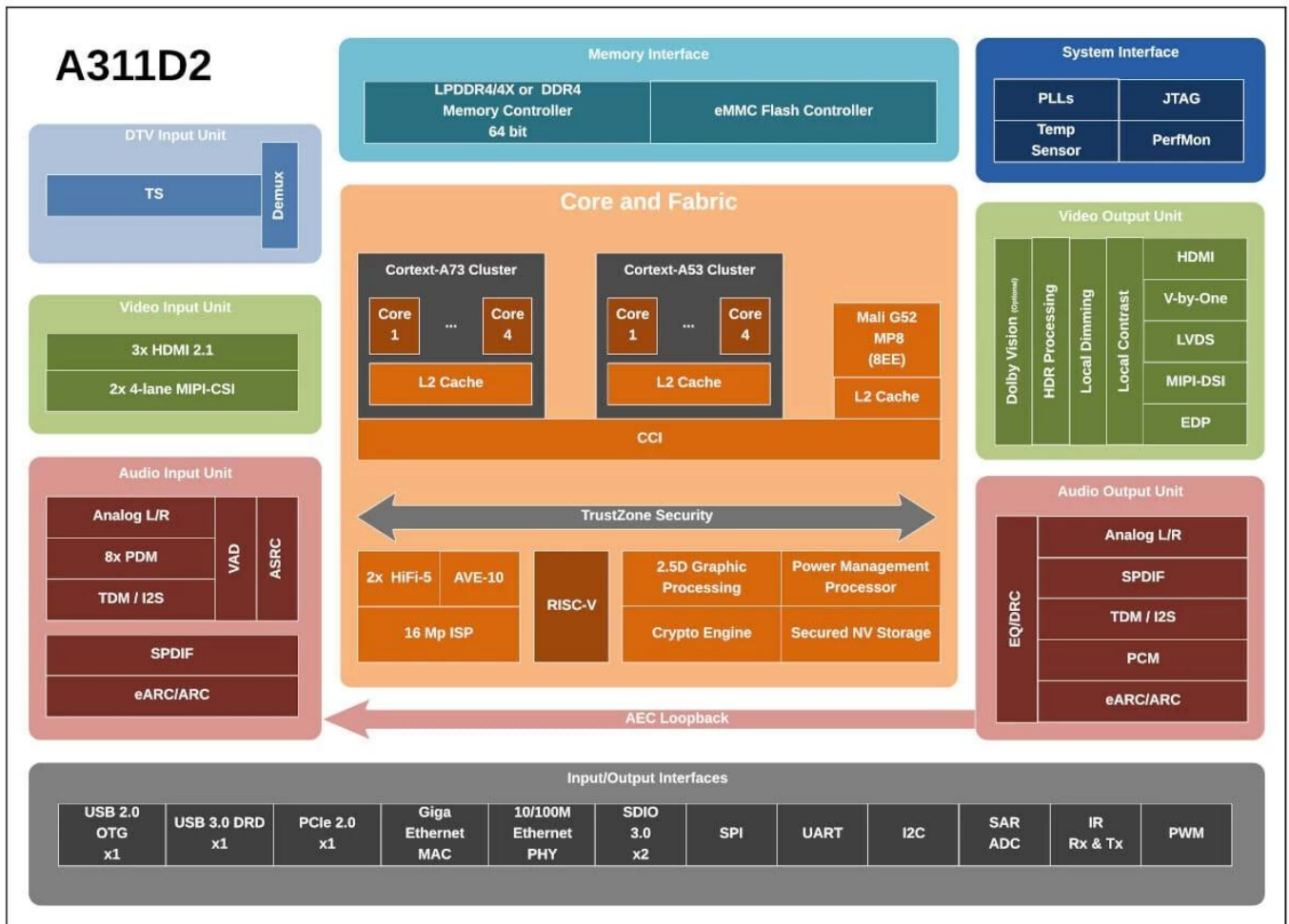| Specifications	
Model No.	Amlogic A311D2 Android TV Boxes Wholesale Android TV Box Supplier
CPU	Amlogic A311D2 Quad Core Cortex-A73 + Quad Core Cortex-A53
GPU	ARM Mali-G52 MP8
RAM	4GB (max to 8GB/32GB for options)
ROM	32GB (64GB/128GB/256GB options)
OS	Android 11.0
Wi-Fi / BT	Built-in Wi-Fi (standard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

IR

DEBUG

PWR LED

ANTENNA

TF card

A311D2

DTV Input Unit
TS | Demux

Memory Interface
LPDDR4/4X or DDR4 Memory Controller 64 bit | eMMC Flash Controller

System Interface
PLLs | JTAG
Temp Sensor | PerfMon

Video Input Unit
3x HDMI 2.1
2x 4-lane MIPI-CSI

Core and Fabric

Cortext-A73 Cluster
Core 1 ... Core 4
L2 Cache

Cortext-A53 Cluster
Core 1 ... Core 4
L2 Cache

Mali G52 MP8 (8EE)
L2 Cache

CCI

TrustZone Security

2x HiFi-5 | AVE-10
16 Mp ISP
RISC-V
2.5D Graphic Processing | Power Management Processor
Crypto Engine | Secured NV Storage

Video Output Unit
Dolby Vision (Optional) | HDR Processing | Local Dimming | Local Contrast
HDMI
V-by-One
LVDS
MIPI-DSI
EDP

Audio Input Unit
Analog L/R
8x PDM
TDM / I2S
VAD | ASRC
SPDIF
eARC/ARC

Audio Output Unit
EQ/DRC
Analog L/R
SPDIF
TDM / I2S
PCM
eARC/ARC

AEC Loopback

Input/Output Interfaces
USB 2.0 OTG x1 | USB 3.0 DRD x1 | PCIe 2.0 x1 | Giga Ethernet MAC | 10/100M Ethernet PHY | SDIO 3.0 x2 | SPI | UART | I2C | SAR ADC | IR Rx & Tx | PWM

T08ST01

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 platform offering top-quality Android TV boxes wholesale, catering to businesses and retailers seeking reliable and feature-rich TV box solutions. As a leading Android TV box supplier, we take pride in delivering cutting-edge devices that redefine home entertainment. Let's dive into the features and benefits of our Android TV boxes:

1. Diverse Range of Android TV Boxes:

We provide a diverse range of Android TV boxes catering to various needs and preferences. Whether you're looking for budget-friendly options, mid-range devices, or high-end models with advanced features, we have you covered.

2. High-Quality Hardware and Components:

Our Android TV boxes are equipped with high-quality hardware components, including powerful processors, ample RAM and storage, advanced graphics capabilities, and robust connectivity options. Expect smooth performance, fast loading times, and excellent multimedia playback.

3. Android TV OS and Smart Features:

Experience the intuitive Android TV operating system on our devices, offering access to a wide range of apps, games, streaming platforms, and content. Enjoy smart features like voice search, recommendations, Google Assistant integration, and more.

4. 4K Ultra HD and HDR Support:

Many of our Android TV boxes support 4K Ultra HD resolution and HDR content, delivering stunning visuals with vibrant colors, sharp details, and enhanced contrast. Immerse yourself in a cinematic viewing experience right from your living room.

5. Versatile Connectivity Options:

Our TV boxes come with versatile connectivity options, including HDMI, USB ports, Ethernet, Wi-Fi, Bluetooth, and more. Connect external devices, stream media, access cloud storage, and enjoy seamless networking capabilities.

6. Customization and Branding Services:

We offer customization and branding services for businesses looking to create personalized TV box solutions. Add your logo, customize the user interface, pre-install apps, and tailor the device

according to your brand identity and customer preferences.

7. Wholesale Pricing and Bulk Discounts:

Benefit from competitive wholesale pricing and bulk discounts on our Android TV boxes. Whether you're purchasing in small quantities or large volumes, we offer cost-effective solutions to meet your business needs.

8. Reliable Technical Support and After-Sales Service:

Receive reliable technical support, product assistance, and after-sales service from our team of experts. We provide troubleshooting guidance, firmware updates, warranty coverage, and responsive customer support to ensure a seamless experience.

9. Fast and Efficient Shipping:

We prioritize fast and efficient shipping services to deliver your orders promptly. Whether you're based locally or internationally, we work with trusted logistics partners to ensure timely delivery of your Android TV boxes.

10. Customer Satisfaction and Feedback:

We value customer satisfaction and feedback, striving to exceed expectations with every purchase. Join our network of satisfied customers and retailers who rely on our quality products, exceptional service, and commitment to excellence.

In conclusion, our [Android TV boxes wholesale](#) program offers top-quality devices, competitive pricing, customization options, and reliable support, making us your trusted [Android TV box supplier](#). Elevate your business with cutting-edge TV box solutions designed for modern entertainment needs.