OEM Android TV Box Suppliers,Best Android TV Box HDMI,Mini Android internet TV Box

Specifications	
Model No.	Amlogic S928X-J OEM Android TV Box Suppliers
CPU	Amlogic S928X-J ARM Cortex-A76+Quad-Core ARM Cortex-A55
GPU	ARM Mali-G57 MC2, 4K GUI OpenGL ES 3.2, Vulkan 1.2 and OpenCL 2.0
NPU	3.2 TOPS
RAM	64-bit DDR4, LPDDR4/4X UP to 8GB DDR4266
eMMC	eMMC 5.1, SLC NAND Flash
Decoding resolution	Amlogic Video Engine (AVE) with dedicated hardware decoders and encoders Decoding AV1 MP-10 @ L6.1 up to 8Kp60 VP9 Profile-2 @ 6.1 up to 8Kp60 H.265 HEVC MP-10 @ L6.1 up to 8Kp60 AVS3 Phase 1 up to 8Kp60 AVS2-P2 Profile up to 8Kp60 H.264 AVC HP @ L5.2 up to 4Kp60 MPEG-4, WMV/VC-1, AVS, MPEG-2, MPEG-1 up to 1080p60 MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918) Support multi-video decoder up to 4x 4Kp60 Encoding JPEG image encoding up to 4Kp60 H.265 video encoding up to 4Kp60 with low latency H.264 video encoding up to 4Kp60 with low latency 8th Generation Advanced Amlogic TruLife Image Engine with support for Dolby Vision (optional), HDR10+, HDR10, HLG, and HDR Vivid processing
AI accelerator	Up to 3.2 TOPS Neural Network Accelerator (NNA) with Tensor Processing Unit (TPU) architecture, supports TensorFlow and Caffe
Video output	HDMI 2.1a transmitter including both controller and PHY supporting CEC, Dynamic HDR, and HDCP 2.2/2.3, up to 8Kp60 max resolution output with support for eARC, VRR, QMS, QFT, ALLM, DSC & SBTM
Audio ouput	Support for MP3, AAC, WMA, RM, FLAC, Ogg Vorbis, Opus, SRS Truvolume, Dolby Audio (optional), DTS (optional), and programmable with 7.1/5.1 down-mixing Low-power VAD Built-in SPDIF input/output up to 192KHz 16/24/32bit stereo 3x built-in TDM/PCM/I2S ports with TDM/PCM mode up to 48kHz x 32bits x 32ch or 192kHz x 16bits x 16ch and I2S mode up to 384kHz x 32bits x 16ch Digital microphone PDM input with programmable CIC, LPF, HPF, support up to 8 DMICs Built-in stereo audio DAC
Network interface	10/100/1000 MAC
USB2.0 interface	1x USB XHCI OTG 2.0, 2x USB 2.0 host, 1x USB 3.0 (5 Gbps) multiplexed with PCIe 2.0

S928X

Memory Interface

DDR4/ LPDDR4/LPDDR4X Memory Controller	eMMC Flash Controller

System Interface

PLLs	PMU	JTAG
	Temp Sensor	PerfMon

Video Input Unit

4x TS in	Demux

Core and Fabric

Core 1

Cortex-A76

NEON
VFP

64KB I-Cache	64KB D-Cache

L2 Cache

Core 1 2 3 4

Cortex-A55

NEON
VFP

32KB I-Cache	32KB D-Cache

L2 Cache

Mali G57 MC2

L2 Cache

MMU

L3 Cache

MMU

TrustZone Security

NPU	2.5D Graphic Processing	RISC-V Core
AVE-10	Crypto Engine	Secured NV Storage

Video Output Unit

De-interlacer | Scaler | HDR Processing | Enhancement | HDMI 2.1a

Audio Input Unit

PDM x 8	VAD
TDM/I2S	
SPDIF	
eARC	

Audio Output Unit

TDM/I2S
HDMI 2.1a
SPIDF
Stereo Audio DAC

Input/Output Interfaces

USB 3.0/PCIe 2.0*		USB 3.0	USB OTG	Giga Ethernet MAC	SDXC/ SDHC/ SD	SDIO3.0	IR Rx&Tx	I2C	SAR ADC	UART	SPI	PWM	ISO7816
USB SS/ PCIe2.0	USB HOST												

* Supported configuration: PCIe 2.0 port + USB 2.0 Host, or USB3.0 port without PCIe.

TF_CARD

IR

DDR0

DDR1
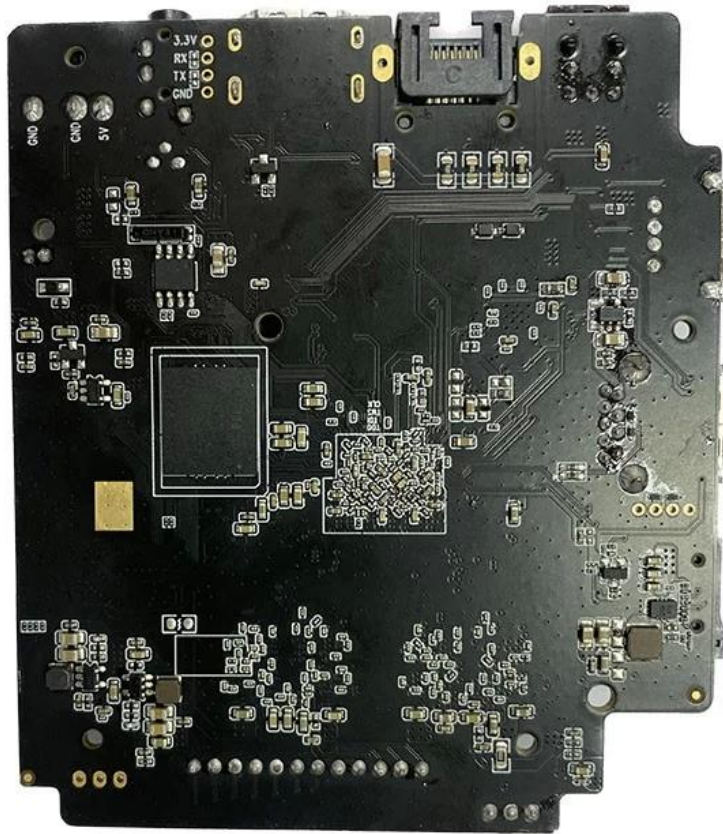
Pb

JSY-3
U 94V0
E343782
2309

VDD_DDR

YB910_428_V1.0 23082

XIZ 1948-G
G5009-CG

RJ45

HDMI

Audio

220V 16V VT

Amlogic S928X-J is the first 8K UHD smart STB SoC integrating ARM Cortex-A76, ARM Cortex-A55 and self-developed neural network processor. It supports 8Kp60 video decoding function of global mainstream video formats——AV1, H.265, VP9, AVS3, AVS2, etc. Meanwhile, 4K GUI, intelligent SR and other functions are viable as well, thus providing an outstanding hardware engine for customized high-end applications.

As the demand for high-performance multimedia entertainment continues to rise, Amlogic has once again delivered an innovative solution with the launch of its latest S928X-J chip. Designed to deliver a seamless, immersive multimedia experience, the S928X-J chip boasts a range of impressive features that are sure to impress tech enthusiasts and consumers alike.

One of the key selling points of the S928X-J chip is its powerful processing capabilities. The chip is equipped with an eight-core ARM Cortex-A53 CPU, which provides lightning-fast speeds and delivers exceptional performance for a wide range of multimedia applications. Whether you're streaming 4K content, playing high-definition games, or running multiple apps at once, the S928X-J chip ensures that you enjoy a smooth and uninterrupted experience.

Another standout feature of the S928X-J chip is its support for high-quality audio and video output. The chip supports up to 4K resolution at 60 frames per second, which means that you can enjoy your favorite movies and TV shows with breatJhtaking clarity and detail. Additionally, the chip supports HDR10 and HLG technologies, which provide a wider color gamut and better contrast, making your viewing experience more immersive than ever before.

The S928X-J chip is also designed to deliver a high-quality gaming experience. The chip is equipped with a powerful Mali-G31 MP2 GPU, which provides exceptional graphics performance and supports OpenGL ES3.2, Vulkan 1.1, and OpenCL 2.0. This means that you can play the latest games with stunning graphics and enjoy smooth, lag-free gameplay.

In addition to its impressive hardware specs, the S928X-J chip also features advanced software optimizations that enhance its performance and usability. The chip is based on the Android TV 10 operating system, which provides a user-friendly interface and access to a wide range of apps and content. The chip also supports Google Assistant, which allows you to control your TV and other connected devices with your voice.

The S928X-J chJip is also designed with connectivity in mind. The chip supports dual-band Wi-Fi and Bluetooth 5.0, which ensure fast and reliable wireless connectivity. It also features a range of ports, including HDMI, USB, and Ethernet, which provide flexible connectivity options for a wide range of devices and peripherals.

Overall, the Amlogic S928X-J chip is a game-changing solution for high-performance multimedia entertainment. Its powerful processing capabilities, support for high-quality audio and video output, and advanced software optimizations make it a standout choice for tech enthusiasts and consumers who demand the best in multimedia entertainment. Whether you're streaming your favorite content, playing games, or using your TV for other applications, the S928X-J chip ensures that you enjoy a seamless, immersive experience.

Welcome to the world of premium Android TV boxes, where innovation meets entertainment seamlessly. As one of the leading OEM Android TV box suppliers, we take pride in offering the best HDMI Android TV boxes and mini Android internet TV boxes. Here's why our products stand out:

1. High-Quality HDMI Android TV Boxes:

Our HDMI Android TV boxes deliver exceptional picture quality, supporting high-definition content and immersive audiovisual experiences. Enjoy crystal-clear images, vibrant colors, and smooth streaming with our advanced devices.

2. Mini Android Internet TV Box Convenience:

Experience compact yet powerful entertainment with our mini Android internet TV boxes. These sleek and portable devices offer seamless connectivity, allowing you to stream content, play games, and access a world of apps with ease.

3. Cutting-Edge Technology and Features:

Our Android TV boxes are equipped with cutting-edge technology, including powerful processors, ample storage, and advanced connectivity options such as Wi-Fi, Ethernet, Bluetooth, and HDMI. Stay connected and enjoy fast, reliable performance.

4. Versatile Entertainment Options:

With access to thousands of apps, games, streaming services, and digital content via Google Play Store, our Android TV boxes offer versatile entertainment options for every user. Stream your favorite movies, TV shows, music, and more with just a few clicks.

5. User-Friendly Interface and Navigation:

Navigating through your entertainment is effortless with our user-friendly interface and intuitive remote control options. Customize your viewing experience, organize apps, and discover new content seamlessly.

6. Enhanced Multimedia Experience:

Immerse yourself in an enhanced multimedia experience with support for high-definition video playback, audio optimization technologies, and compatibility with various multimedia formats. Enjoy theater-like audio and video quality at home.

7. Secure and Reliable Performance:

We prioritize security and reliability, ensuring that your Android TV box delivers consistent performance and receives regular updates for firmware enhancements, security patches, and new features. Enjoy peace of mind while exploring endless entertainment possibilities.

8. Multi-Purpose Applications:

Our Android TV boxes are not just limited to entertainment. They can be used for a variety of purposes, including digital signage, gaming, education, home automation, and more. Unlock the potential of smart technology with our versatile devices.

9. Dedicated Customer Support:

Our commitment to customer satisfaction extends to dedicated support services. Our team is available to assist you with setup, troubleshooting, and product recommendations, ensuring a smooth and enjoyable experience with our Android TV boxes.

10. Future-Ready Technology:

As technology evolves, so do our Android TV boxes. Stay ahead with future-ready features, including compatibility with emerging standards, new apps, and enhanced connectivity options, ensuring your device remains relevant and up-to-date.

In summary, our OEM [Android TV box suppliers](#) offer the best HDMI Android TV boxes and mini Android internet TV boxes designed to enhance your entertainment experience. Elevate your viewing, streaming, and gaming with our premium devices tailored to modern lifestyles.