

OEM IPTV Box Manufacturer Android TV Box Supplier

Specifications

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| Model No. | Amlogic S928X-J Android TV Box Supplier |
| 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 |
| | 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 |
| Decoding resolution | 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 |
| | 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 |
| Audio output | 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 |

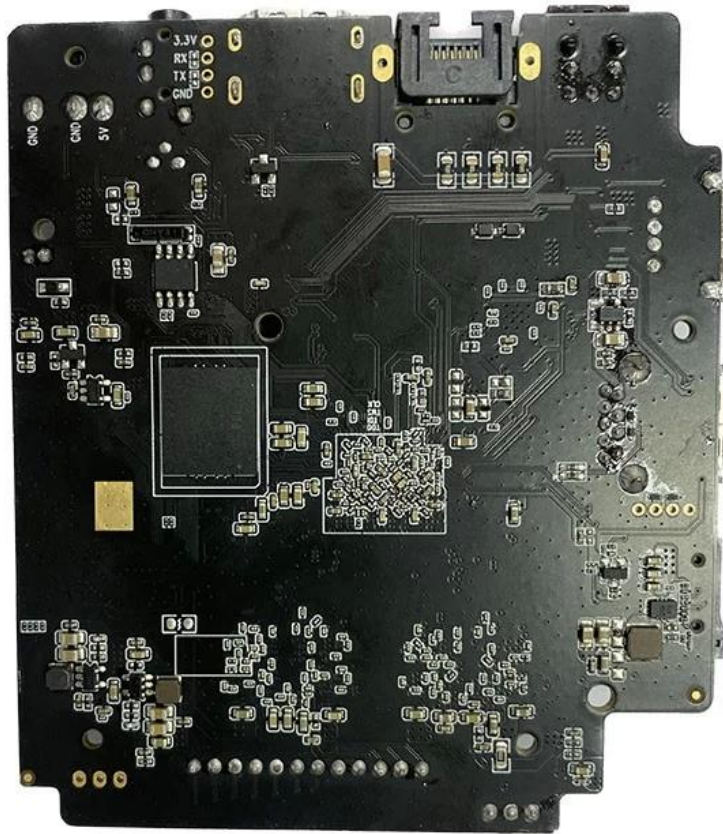
S928X



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







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 breathtaking 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 chip 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 advanced entertainment solutions brought to you by our esteemed company, a leading OEM IPTV Box Manufacturer and Android TV Box Supplier. Let's explore how our innovative products can revolutionize your entertainment setup.

Exceptional Features and Performance:

1. **Seamless Streaming:** Our IPTV boxes ensure smooth and uninterrupted streaming of your favorite content, including movies, TV shows, live sports, and more, thanks to robust hardware and reliable connectivity options.
2. **4K Ultra HD Resolution:** Immerse yourself in stunning visuals with support for 4K Ultra HD resolution, delivering crisp detail, vibrant colors, and an immersive viewing experience for your entertainment needs.
3. **Versatile Connectivity:** Connect your IPTV box to various devices and peripherals with ease, including TVs, monitors, external storage devices, gaming controllers, and more, to enhance functionality and convenience.

4. **Advanced Operating System:** Benefit from an advanced operating system that provides a user-friendly interface, seamless navigation, and access to a wide range of apps, games, streaming services, and digital content.
5. **Customizable Settings:** Customize your viewing experience with adjustable settings for resolution, audio output, display preferences, parental controls, and more, ensuring a personalized entertainment environment for every user.

Enhanced Entertainment Experience:

1. **Live TV Streaming:** Access a wide range of live TV channels, including sports, news, entertainment, and international content, offering a comprehensive TV viewing experience tailored to your preferences.
2. **On-Demand Content:** Enjoy on-demand content libraries with access to movies, TV series, documentaries, music, podcasts, and other digital media, allowing you to discover and explore endless entertainment options.
3. **Multi-Device Compatibility:** Seamlessly integrate your IPTV box with other smart devices in your home, such as smart TVs, smart speakers, home automation systems, and IoT devices, creating a connected ecosystem for enhanced convenience and control.
4. **Regular Updates and Support:** Benefit from regular software updates, security patches, feature enhancements, and ongoing technical support to ensure optimal performance, reliability, and customer satisfaction with our products.

Transform Your Entertainment Setup:

Experience the next generation of entertainment solutions with our cutting-edge IPTV boxes, crafted by a trusted OEM IPTV Box Manufacturer and [Android TV Box Supplier](#). Elevate your viewing experience, enjoy endless entertainment possibilities, and redefine the way you engage with digital media in your home.