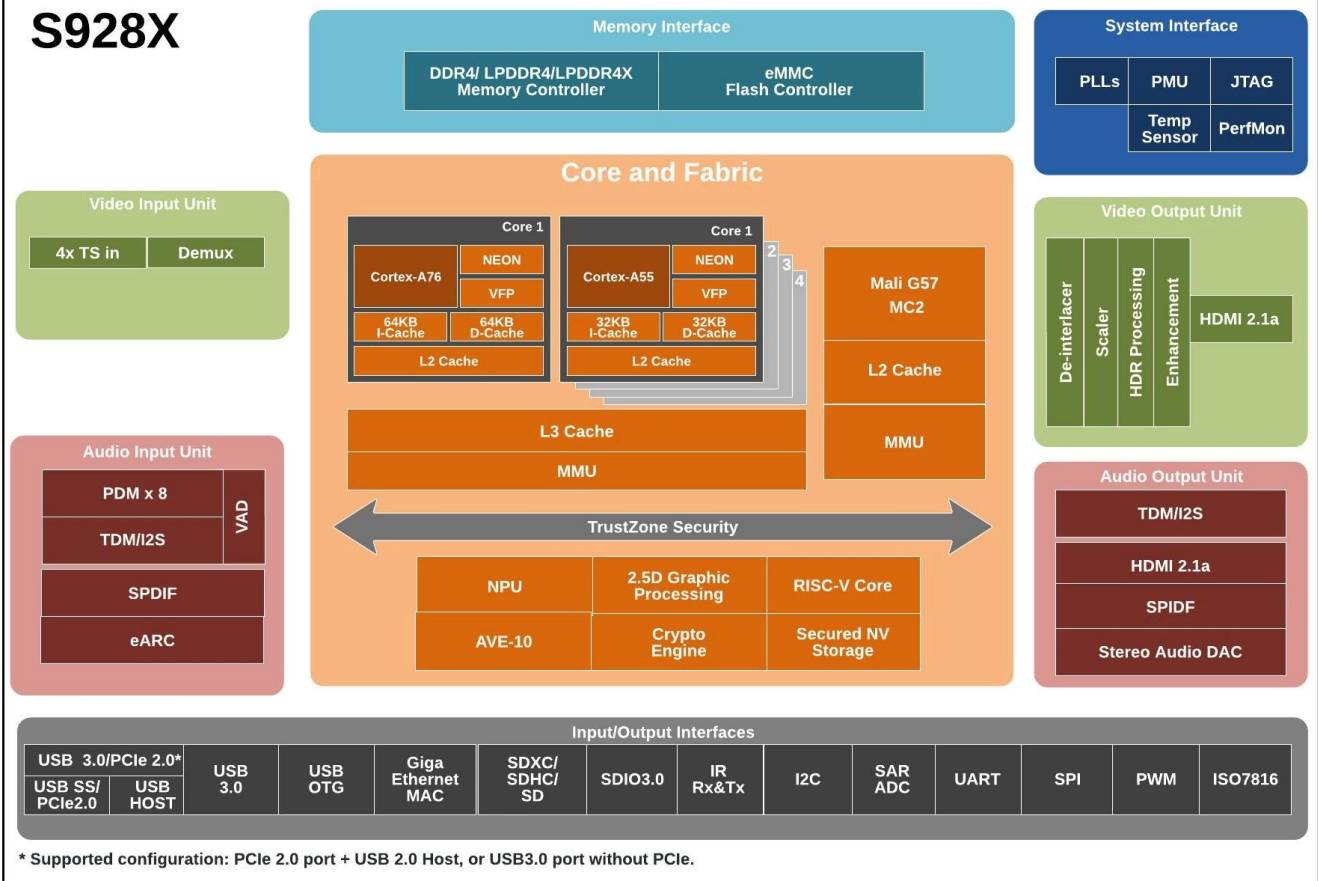# OEM IPTV Box Manufacturer China OEM TV Box Android Manufacturer

Specifications	
Model No.	Amlogic S928X-J OEM IPTV Box Manufacturer
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.

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.

The 8K [Android TV Box](#) with Amlogic S928X-J is the ultimate high-performance media player that brings your TV to life. It is a smart TV box that features dual-band Wi-Fi and HDR support, giving you seamless access to all your favorite streaming apps and services in stunning 8K resolution. With USB 3.0 and Bluetooth 5.0, you can easily connect your external devices and enjoy your media on the big screen. Whether you want to watch movies, TV shows, play games or browse the web, this TV box has got you covered.

Step into the future of entertainment with our Amlogic S928X-J 8K [Android TV Box](#) featuring WiFi 6E. Immerse yourself in stunning visuals and seamless streaming. This Android TV Box delivers 8K brilliance, elevating your viewing experience. With advanced WiFi 6E technology, enjoy fast and reliable connectivity. Explore a new dimension of entertainment with this powerful and feature-packed Android TV Box. Order now and redefine the way you experience TV!

Welcome to our world of innovative and customizable OEM IPTV Box and TV Box Android solutions. As a trusted manufacturer based in China, we specialize in delivering cutting-edge products that cater to a wide range of business requirements.

Expertise in OEM IPTV Box Manufacturing With years of experience in the industry, we have honed our skills and capabilities in OEM IPTV Box manufacturing. Our team of experts combines technical expertise with market insights to create IPTV Box solutions that meet the evolving demands of the digital entertainment landscape.

Customizable TV Box Android Solutions Our OEM TV Box Android solutions are highly customizable, allowing businesses to tailor hardware specifications, software features, user interfaces, and branding elements according to their unique needs. Whether you're looking to create a streaming device, gaming console, multimedia hub, or smart home controller, our OEM TV Box Android products provide the flexibility and scalability required for success.

Quality and Reliability Quality is at the core of everything we do. We adhere to stringent quality control measures throughout the manufacturing process, ensuring that every OEM IPTV Box and TV Box Android unit meets industry standards for performance, durability, and reliability. Our commitment to quality assurance translates into products that deliver exceptional user experiences and long-term satisfaction.

Technological Innovation We stay ahead of the curve by embracing technological innovation and advancements in the IPTV and TV Box Android domains. Our R&D team continuously explores new technologies, trends, and functionalities to incorporate into our products, keeping our offerings competitive and future-ready.

Collaborative Partnership We believe in fostering collaborative partnerships with our clients. From initial concept discussions to product development, testing, and deployment, we work closely with businesses to understand their objectives and deliver tailored solutions that drive success. Our customer-centric approach, transparent communication, and responsive support ensure a seamless and rewarding collaboration experience.

Global Reach and Support While based in China, we serve clients worldwide, offering global shipping and support services. Whether you're a startup, SME, or enterprise, we provide scalable solutions, competitive pricing, and timely delivery to meet your project timelines and budget requirements.

Contact Us Ready to explore OEM IPTV Box and TV Box Android opportunities with a trusted manufacturer? Contact us today to discuss your project needs, request a quote, or schedule a consultation. Let's collaborate and bring your innovative ideas to life with our customizable OEM solutions.