

Amlogic S922X Android



Amlogic S922X Android	
Processor	Amlogic S922X 64-bit ARM® Cortex™ A73 CPU ARM® Cortex™ A53 CPU
GPU	ARM Mali™-G52 MP4 GPU
Memory	2GB/4GB LPDDR4
Storage	16GB B/ 64GB
OS	Android 9.0
Video	
Video Output	Amlogic AVE (AVE) HW UHD 4K H.265 75fps 10-bit 1080p H.265/H.264 60fps 4Kx2K@60fps/1x1080P@60fps VP9 Profile-2 4Kx2K@60fps H.265 HEVC MP-10@L5.1 4Kx2K@60fps AVS2-P2 4Kx2K@60fps H.264 AVC HP@L5.1 4Kx2K@30fps H.264 MVC 1080P@60fps MPEG-4 ASP@L5 1080P@60fps (ISO-14496) WMV/VC-1 SP/MP/AP 1080P@60fps AVS-P16(AVS) /AVS-P2 1080P@60fps MPEG-2 MP/HL 1080P@60fps (ISO-13818) MPEG-1 MP/HL 1080P@60fps (ISO-11172) RealVideo 8/9/10 1080P@60fps H.265/H.264 1080P@60fps MJPEG JPEG (ISO/IEC-10918) *.*.mkv.*.wmv.*.mpg.*.mpeg.*.dat.*.avi.*.mov.*.iso.*.mp4.*.rm *.jpg HDR10/HDR10/HLG PRIME HDR
Video Input	JPEG H.265/H.264 JPEG H.265/H.264 1080P@60fps
Audio	HDMI 2.1 CEC HDR HDCP 2.2 PHY 4Kx2K@60 C VBS 480i/576i SD/HD/FHD 480i/p/576i/p/720p/1080i/p 4Kx2K 4 MIPI DSI 1920*1080 MP3/AAC/WMA/RM/FLAC/Ogg 7.1/5.1 SPDIF/IEC958/PCM 3 TDM/PCM/I2S TDM/PCM 84kHz x32 x 8 96kHz x 32 x 32 and I2S 384kHz x 32x8 PDM CIC/LPF HPF 8 DMIC DAC PCM/I2SPCM
Video Codec	MPEG1/2/4/H.265/HEVC/AVC/VC-1/RM/RMVB/Xvid/DivX3/4/5/6/RealVideo8/9/10
Audio Codec	Avi/Rm/Rmvb/Ts/Vob/Mkv/Mov/ISO/wmv/asf/flv/dat/mpg/mpeg
Audio Format	MP3/WMA/AAC/WAV/OGG/DDP/TrueHD/HD/FLAC/APE
Image Format	JPEG/BMP/GIF/PNG/TIFF
USB	
USB	USB2.0 480Mbps/USB3.0 5.1Gbps
SIM	SIM
HDMI	HDMI 2.2/1ch Lvds/1ch EDP
Network	RJ45 100/1000Mbps
Storage	AP6398S (2.4G5.8G)
4G	PCIe
TF	microSD 128G
Storage	SATA Max2TB
Power	
Power	12V DC/3A 5.5*φ2.5mm

Android 3D/AI

Amlogic 12 AI s922x CPU GPU 4K HDR S922x CPU ARM Cortex-A73 CPU Cortex-A53 CPU

neon SIMD Ave-10 75/4kx2k
TVP MVC MPEG-1/2/4 vc-1 /WMV AVS AVS2 realvideo MJPEG
H.264 h265-10 VP9 JPEG H.265/h.264 1080p 75
hdmi2.2 4kx2k@60fp(3840*2160) V4K HDCP 2.2 DAC CVBS 4 Mipi
DSI TDM PCM I2S SPDIF I/O 8 PDM (dmic) DVP 2x2
WiFi 2.4G 5.8G 4.1

o Amlogic 64 ARM® Cortex™ A73 CPU ARM® Cortex™ A53 CPU

o ARM Mali-G52 MP4 GPU

o HW UHD 4K.H.265 75fps 10 1080p H.265/H.264 60fp

o HDR10 HDR10+ HLG PRIME HDR

o Cortex-M4

o TrustZone DRM

o WIFI BT USB SD

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Amlogic S922X Android OTT/IPTV (STB) CPU GPU 4K HDR AP

CPU Big Little ARM Cortex-A73 CPU Cortex-A53 CPU NEON SIMD

ARM Mali-G52 MP4 GPU OpenGL ES 3.2 Vulkan 1.0 OpenCL 2.0 2.5D alpha CPU GPU HDR10 HDR10+ HLG PRIME HDR REC709/BT2020

Amlogic (AVE-10) Cortex-A53 CPU AVE-10 75fps 4Kx2K (TVP) MVC MPEG-1/2/4 VC-1/WMV AVS AVS2 RealVideo MJPEG H.264 H265-10 VP9 JPEG H.265/H.264 1080p 60fps

Amlogic S922X 3D HDMI2.1 HDR CEC HDCP 2.2 DAC CVBS 4 MIPI DSI TDM PCM I2S SPDIF 8 PDM (DMIC) DVP

Amlogic S922X

1 RGMII 10/100/1000M MAC 10/100M PHY 1 USB XHCI OTG 2.0 1 USB3.0 PCIe





