

# 4K Android

Processor	Amlogic S922X Android
CPU	Amlogic S922X ARM Cortex A73 ARM Cortex A53 1.98Ghz
GPU	ARM Mali-G52 MP4 (6EE) OpenGL ES 3.2 Vulkan 1.1 OpenCL 2.0
RAM	DDR4 2GB/4GB
Storage	16GB eMMC/128GB
OS	Android 9.0
Video	4K H265 10Bit H.264 AVS MPEG-2
Audio	MPEG1 MPEG2 MPEG4 H.264 WMV MKV TS flv MP3 JPEG BMP PNG GIF
Display	1x LVDS 40pin 2.0mm 8bit/10bit 1x HDMI 1x AV
Camera	x1 MIPI CSI 4x 2.5mm 25W @ 2x 3W @ 2x
Connectivity	x1 10M/100M WiFi BT 2.4G 2.4G/5G PCIe 4G x1 M.2 4G x1
USB	USB OTG x1 USB x7
Buttons	x2 6pin 2.0mm
Light	x1 7pin 2.0mm LED
Other	x4 TF x1 SIM x1
Power	12V 2.5DC

Android / 3D / AI

Amlogic S922X 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 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

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- 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
- o WIFI/BT/USB/SD
- o

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

CPU Big Little ARM Cortex-A73 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

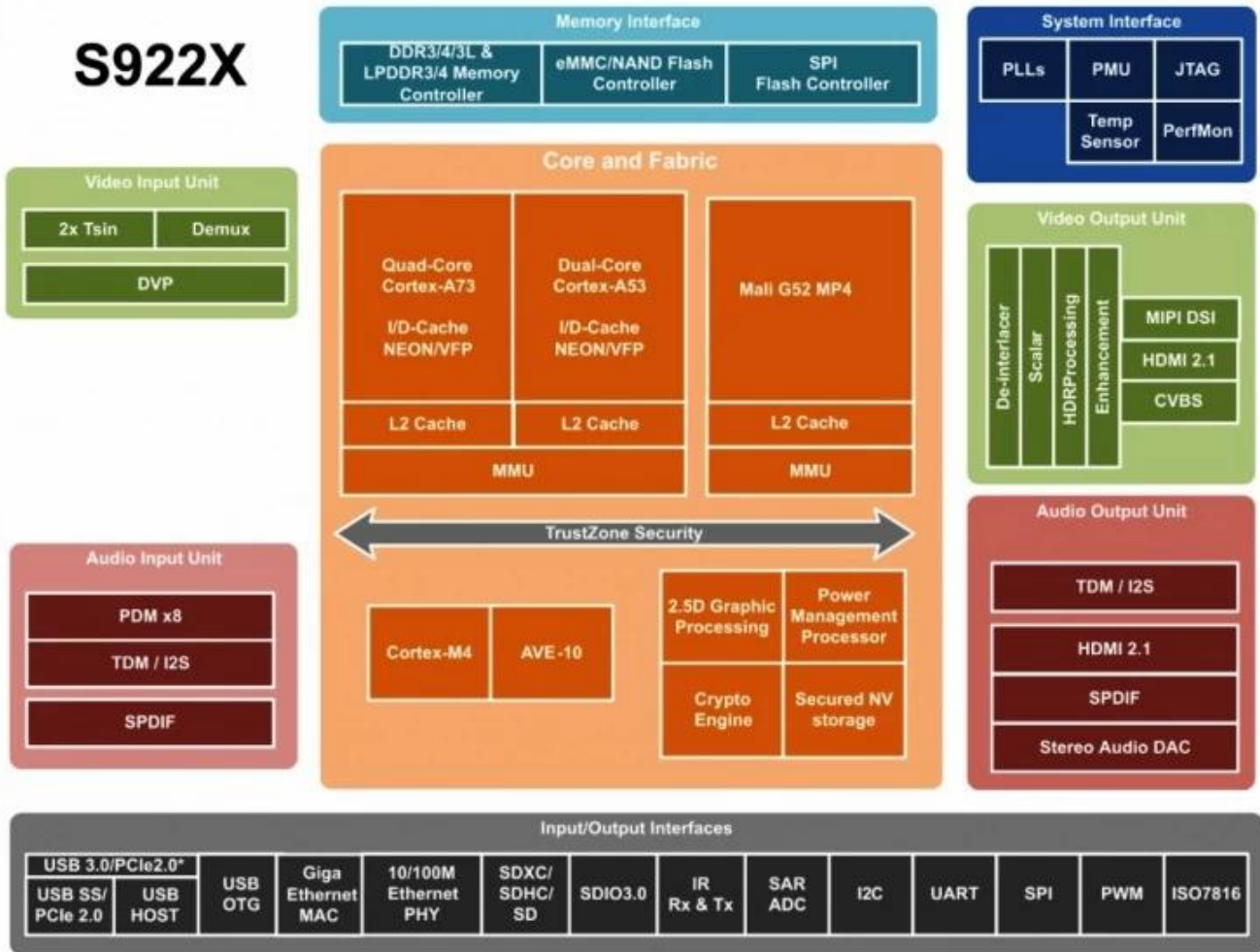
Amlogic (AVE-10) Cortex-A53 CPU AVE-10 75fps 4Kx2K (TVP) MVC/MPEG-1/2/4 VC-1/WMV AVS AVS2 RealVideo MJPEG H.264 H265-10 VP9 JPEG JPEG H.265/H.264 1080p 60fps

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

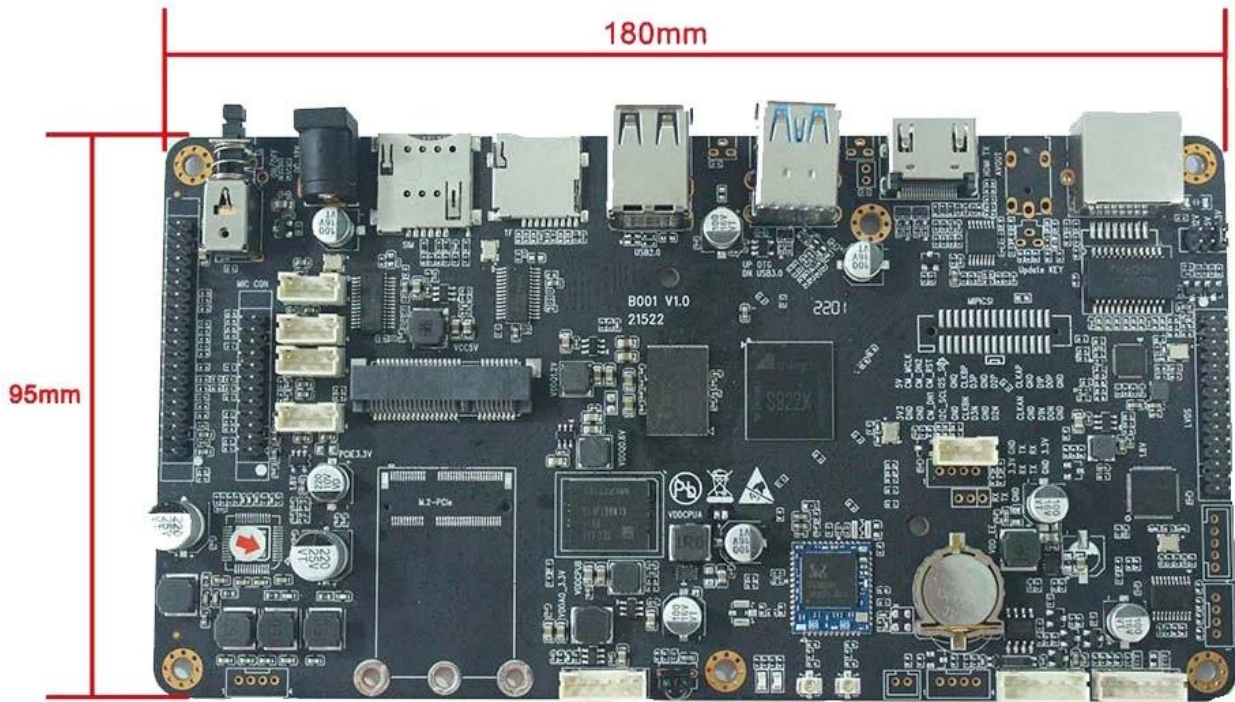
1 RGMII 10/100/1000M MAC 10/100M PHY 1 USB XHCI OTG 2.0 1 USB3.0 PCIe

# S922X



Supported configuration: PCIe2.0 port + USB2.0 Host, or USB3.0 without PCIe

S055T01



180mm\*95mm\*20mm





- 支持WiFi4G
- (3) 支持
- 支持
- 支持
- 支持
- 支持

接口

CPU

- (1) ARM Cortex-A73 ARM Cortex-A53 CPU
- (2) Neon Crypto ARMv8-A
- (3)
- (4) Cortex-M4
- (5) TrustZone
- (6) QoS

3D

- (1) ARM Mali-G52 MP4 (4ppc) GPU
- (2) 8x2x6x8 (EE)
- (3)
- (4) OpenGL ES3.2 Vulkan 1.0 OpenCL 2.0

编解码

- (1) Amlogic (AVE)
- (2) 4Kx2K@60fps 1x1080P@60fps
- (3) “”
- (4) /
- VP9 Profile-2 4Kx2K@60fps
- H.265 HEVCMP-10@L5.1 4Kx2K@60fps
- AVS2-P2 4Kx2K@60fps
- H.264 AVCHP@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-1MP/HLupto1080P@60fps(ISO-11172)
- RealVideo 8/9/10 1080P@60fps
- 
- MJPEG JPEG (ISO/IEC-10918)
- JPEG
- \*.mkv\*.wmv\*.mpg\*.mpeg\*.dat\*.avi\*.mov\*.iso\*.mp4\*.rm \*.jpg
- (5) /
- JPEG H.265/H.264
- JPEG
- H.265/H.264 1080P@60fps

接口

- (1) HDMI 2.1 PHY CEC HDR HDCP 2.2 4Kx2K@60
- (2) CVBS 480i/576i
- (3) SD/HD/FHD 480i/p 576i/p 720p 1080i/p 4Kx2K
- (4) 4 MIPI DSI 1920\*1080

接口

CPU

- (7) ARM Cortex-A73 ARM Cortex-A53 CPU
- (8) Neon Crypto ARMv8-A
- (9)
- (10) Cortex-M4
- (11) TrustZone
- (12) QoS

3D

- (5) ARM Mali-G52 MP4 (4ppc) GPU
- (6) 8x2x6x8(E)
- (7)
- (8) OpenGL ES3.2 Vulkan 1.0 OpenCL 2.0

/

- (6) Amlogic(AVE)
- (7) 4Kx2K@60fps1x1080P@60fps
- (8) "“”
- (9)/
- VP9 Profile-2 4Kx2K@60fps
- H.265 HEVCMP-10@L5.1 4Kx2K@60fps
- AVS2-P2 4Kx2K@60fps
- H.264 AVCHP@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
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- (10)/
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- JPEG
- H.265/H.264 1080P@60fps

- (5) HDMI 2.1 PHY CEC HDR HDCP 2.2 4Kx2K@60
- (6) CVBS 480i/576i
- (7) SD/HD/FHD 480i/p 576i/p 720p 1080i/p 4Kx2K
- (8) 4 MIPI DSI 1920\*1080

4K Amlogic S922X  
 Android Wi-Fi HDMI USB Android  
 Android TV  
 Amlogic S922X 4K Android Android TV