

# Android 9.0

## Multifunctional intelligent industrial control board

Amlogic S922X / S905D3 / T972






V-By-One; Direct 4K Dot Screen; Android 9.0 Or Above  
www.sztomato.com

OS	Amlogic S922X Android 9.0
CPU	Amlogic S922X 64-bit ARM® Cortex™ A73 CPU + ARM® Cortex™ A53 CPU
GPU	ARM Mali™-G52 MP4 GPU
RAM	2GB/4GB LPDDR4
Storage	16GB / 64GB
OS	Android 9.0
Video	<p>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)                      JPEG                      *.mkv/*.wmv/*.mpg/*.mpeg/*.dat/*.avi/*.mov/*.iso/*.mp4/*.rm/*.jpg                      HDR10/HDR10/HLG / PRIME HDR</p>
Image	<p>JPEG H.265/H.264                      JPEG H.265/H.264 1080P@60fps</p>
Audio	<p>HDMI 2.1 CEC HDR HDCP 2.2 PHY                      4Kx2K@60Hz 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/2SPCM</p>
Codec	MPEG1/2/4/H.265/HEVC/AVC/VC-1/RM/RMVB/DivX3/4/5/6/RealVideo8/9/10
Format	Avi/Rm/Rmvb/Ts/Vob/Mkv/Mov/ISO/wmv/asf/flv/dat/mpg/mpeg
Audio	MP3/WMA/AAC/WAV/OGG/DDP/TrueHD/HD/FLAC/APE
Image	JPEG/BMP/GIF/PNG/TIFF
USB	USB2.0 480Mbps/USB3.0 5.1Gbps
SIM	SIM
HDMI	HDMI 2.2/1ch Lvds/1ch EDP
IO	RJ45 100/1000Mbps

規格/項目	AP6398S(標準) 2.4G5.8G
4G	PCI-E
TF	microSD最大128G
SSD	最大SATA Max2TB
電源	12V DC/3Aφ5.5*φ2.5mm

Androidプラットフォーム/3Dプラットフォーム/プラットフォーム/AIプラットフォーム

Amlogic S922X AI s922x CPU GPU 4K HDR ARM Cortex-A73 CPU Cortex-A53 CPU neon SIMD 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 75fps hdmi2.2 4Kx2K@60fps(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 60fps
- o HDR10 HDR10+ HLG PRIME HDR
- o Cortex-M4
- o TrustZone DRM
- o WIFI BT USB SD
- o

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

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

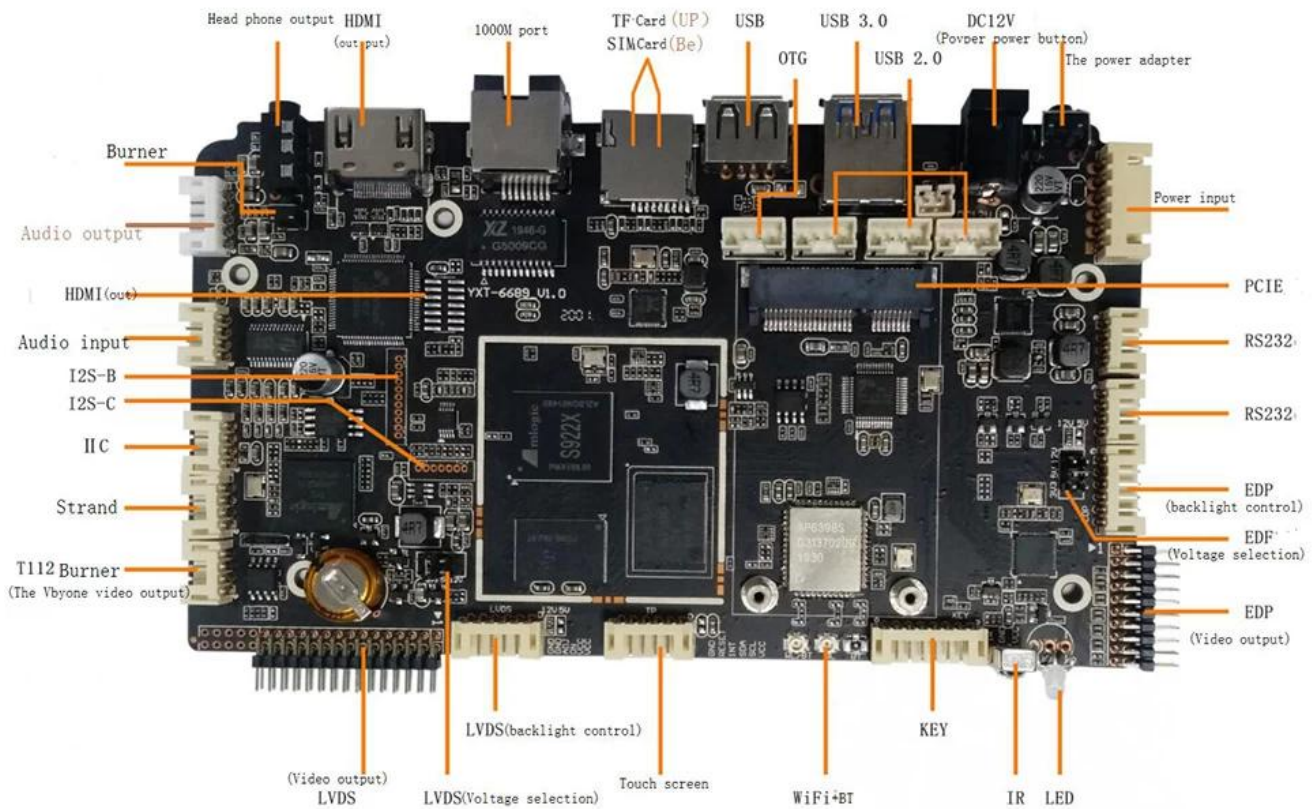
ARM Mali-G52 MP4 GPU OpenGL ES 3.2 Vulkan 1.0 OpenCL 2.0 2.5D alpha CPU GPU HDR10 HDR10+ HLG PRIME HDR REC709/BT2020

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 JPEG H.265/H.264 1080p 60fps

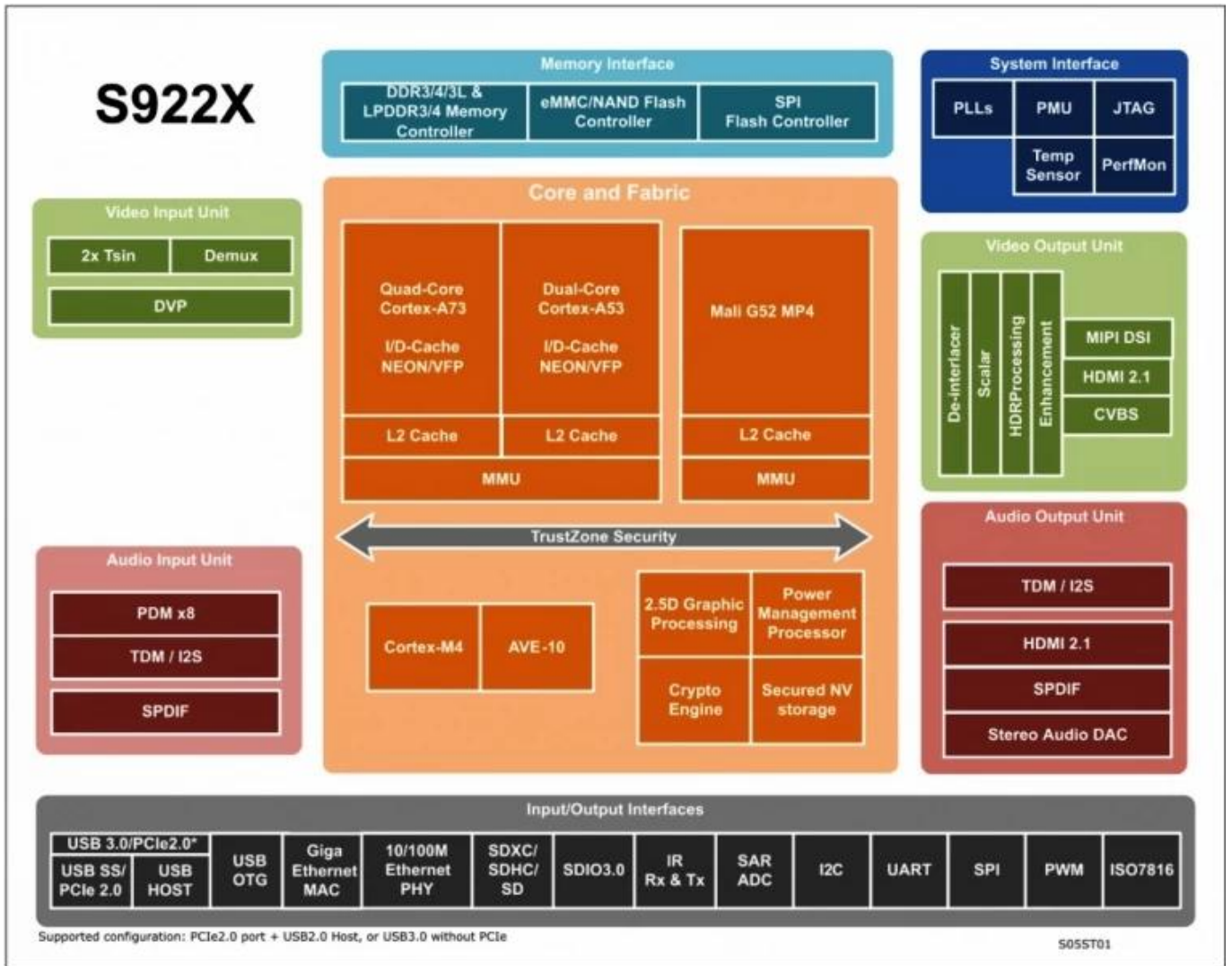
Amlogic S922X 3D HDMI2.1 HDR CEC HDCP 2.2 DAC CVBS 4 MIPI DSI TDM PCM I2S SPDIF PDM (DMIC) DVP

Amlogic S922X

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







Android 9.0

1. Android 9.0

Android 9.0

2. 4K

4K

3.

Android RAM

4.

Android

5.

Android HDMI USB Wi-Fi

6.

Android 9.0

7.

Android

8.

microSD

9.

Android

10.

Android 9.0 4K