

Android Board - Multifunctional intelligent industrial control board



	Amlogic S922X Android
	Amlogic S922X 64 ARM® Cortex™ A73 CPU ARM® Cortex™ A53 CPU
	ARM Mali™-G52 MP4 GPU
	2G/4GB LPDDR4
	16G B/ 64GB
	Android 9.0
	<p>Amlogic (AVE)</p> <p>HW UHD 4K H.265 75fps 10 1080p H.265/H.264 60fps</p> <p>4Kx2K@60fps1x1080P@60fps</p> <p>VP9 Profile-2 4Kx2K@60fps</p> <p>H.265 HEVC MP-10@L5.1 4Kx2K@60fps</p> <p>AVS2-P2 4Kx2K@60fps</p> <p>H.264 AVC HP@L5.1 4Kx2K@30fps</p> <p>H.264 MVC 1080P@60fps</p> <p>MPEG-4 ASP@L5 1080P@60fps (ISO-14496)</p> <p>WMV/VC-1 SP/MP/AP 1080P@60fps</p> <p>AVS-P16(AVS) /AVS-P2 1080P@60fps</p> <p>MPEG-2 MP/HL 1080P@60fps (ISO-13818)</p> <p>MPEG-1 MP/HL 1080P@60fps (ISO-11172)</p> <p>RealVideo 8/9/10 1080P@60fps</p> <p>H.265/H.264 1080P@60fps</p> <p>MJPEG JPEG (ISO/IEC-10918)</p> <p>JPEG</p> <p>*.mkv*.wmv*.mpg*.mpeg*.dat*.avi*.mov*.iso*.mp4*.rm *.jpg</p> <p>HDR10HDR10HLG PRIME HDR</p>
	<p>JPEG H.265/H.264</p> <p>JPEG H.265/H.264 1080P@60fps</p>
	<p>HDMI 2.1 CEC HDR HDCP 2.2 PHY</p> <p>4Kx2K@60 C VBS 480i/576i</p> <p>SD/HD/FHD 480i/p576i/p720p1080i/p 4Kx2K 4 MIPI DSI</p> <p>1920*1080</p> <p>MP3AACWMAFLACogg 7.1/5.1</p> <p>SPDIF/IEC958/PCM 3 TDM/PCM/I2S</p> <p>TDM/PCM 84kHz x32 x 8 96kHz x 32 x 32 and I2S 384kHz x 32x8</p> <p>PDM CICLPF HPF 8 DMIC DAC</p> <p>PCM2SPCM</p>
	MPEG1/2/4H.265/HEVC AVC/VC-1RM/RMVBXvid/DivX3/4/5/6RealVideo8/9/10
	Avi/Rm/RmVb/Ts/Vob/Mkv/Mov/ISO/wmv/asf/flv/dat/mpg/mpeg
	MP3/WMA/AAC/WAV/OGG/DDP/TrueHD/HD/FLAC/APE
	JPEG/BMP/GIF/PNG/TIFF
USB	USB2.0480Mbps/USB3.05.1Gbps
SIM	SIM
HDMI	HDMI 2.2/1ch Lvds/1ch EDP
	RJ45 100/1000M

AP63985() 2.4G5.8G	
4G	PCIe
TF	microSD 128G
	SATA Max2TB
	12V DC/3AΦ5.5*Φ2.5mm

Android / 3D / AI

Amlogic 12 AI s922x CPU GPU 4K HDR S922x ARM Cortex-A73 CPU Cortex-A53 CPU neon SIMD Ave-10 75/4kx2k TVP MVC MPEG-1/2/4 vc-1 /WMV AVS AVS avs2 realvideo MJPEG H.264 h265-10 VP9 JPEG JPEG h.265/h.264 1080p 75 hdmi2.2 4kx2k@60fp(3840*2160) V 4K 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
- 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 晶片 (AVE-10) 內 Cortex-A53 CPU 晶片
AVE-10 晶片 75fps 內
4Kx2K 晶片 (TVP) 晶片
MVC 內 MPEG-1/2/4 內 VC-1/WMV 內 AVS 內 AVS 內 AVS2 RealVideo 內 MJPEG 內 H.264 內 H265-10 內 VP9 晶片
內 JPEG 晶片 內 JPEG 內 H.265/H.264 晶片 1080p 內 60fps 內

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

Amlogic S922X 晶片

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





