

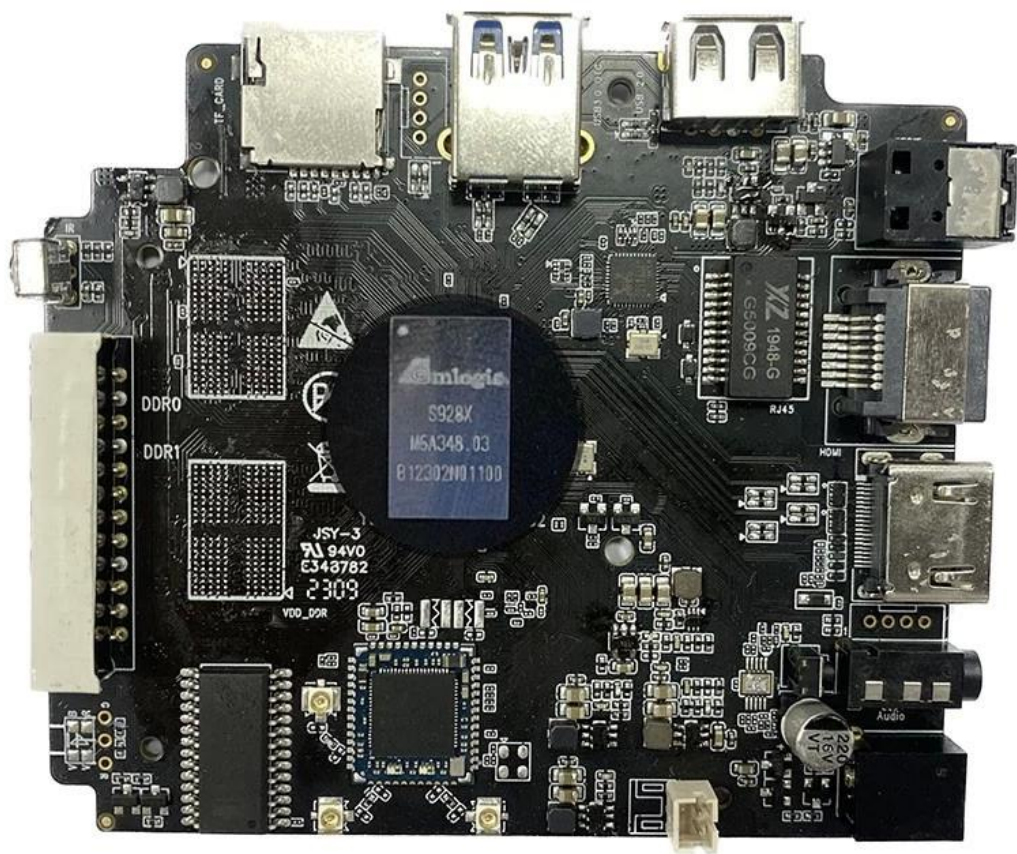
# Amlogic S928X J -

	Amlogic S928X-J
CPU	Amlogic S928X-J ARM Cortex-A76 ARM Cortex-A55
GPU	ARM Mali-G57 MC2 4K GUI OpenGL ES 3.2 Vulkan 1.2 OpenCL 2.0
NPU	3.2
	64 DDR4 LPDDR4/4X 8GB DDR4266
eMMC	eMMC 5.1 SLC NAND
	Amlogic (AVE)
	AV1 MP-10 @ L6.1 8Kp60
	VP9 Profile-2 @ 6.1 8Kp60
	H.265 HEVC MP-10 @ L6.1 8Kp60
	AVS3 1 8Kp60
	AVS2-P2 8Kp60
	H.264 AVC HP @ L5.2 4Kp60
	MPEG-4 WMV/VC-1 AVS MPEG-2 MPEG-1 1080p60
	MJPEG JPEG (ISO/IEC-10918)
	4x 4Kp60
	JPEG 4Kp60
	H.265 4Kp60
	H.264 4Kp60
	8 Amlogic TruLife Dolby Vision HDR10 HDR10+ HLG HDR Vivid
	3.2 TOPS (NNA) (TPU) TensorFlow Caffe
	HDMI 2.1a PHY CEC HDR HDCP 2.2/2.3 8Kp60
	eARC VRR QMS QFT ALLM DSC SBTM
	MP3 AAC WMA RM FLAC Ogg Vorbis Opus SRS TruVolume Dolby Audio
	DTS 7.1/5.1
	VAD
	SPDIF 192KHz 16/24/32
	3 TDM/PCM/I2S TDM/PCM 48kHz x 32bits x 32ch 192kHz x 16bits x 16ch I2S 384kHz x 32bits x 16ch
	PDM CIC LPF HPF 8 DMIC
	DAC
	10/100/1000 MAC
USB2.0	1x USB XHCI OTG 2.0 2x USB 2.0 1x USB 3.0 (5 Gbps) PCIe 2.0

# S928X



\* Supported configuration: PCIe 2.0 port + USB 2.0 Host, or USB3.0 port without PCIe.



Amlogic  
S928X  
M5A348.03  
812302W01100

DDR0

DDR1

JSY-3  
94V0  
E343782  
2309

VDD\_DDR

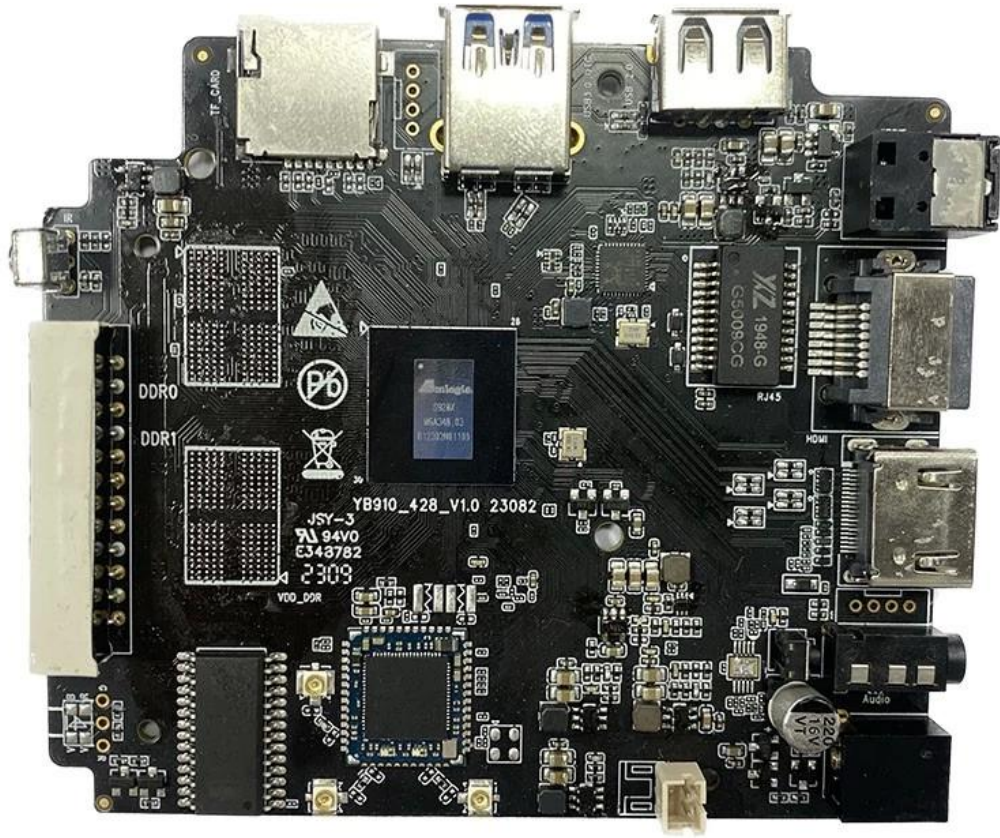
G6006CC

RJ45

HDMI

Audio

220  
16V  
VT



YB910\_428\_V1.0 23082  
JSY-3  
94V0  
E343782  
2309

DDR0

DDR1

VDD\_DDR

G5000CC  
94V0  
R145

HDMI

Audio

TF\_CARD



220  
16V





Amlogic S928X-J SoC ARM Cortex-A76 ARM Cortex-A55 8K SoC  
AV1 H.265 VP9 AVS3 AVS2 8Kp60 4K GUI SR

Amlogic S928X-J S928X-J

S928X-J ARM Cortex-A53 CPU 4K S928X-J

S928X-J 60 4K HDR10 HLG

S928X-J Mali-G31 MP2 GPU OpenGL ES3.2 Vulkan 1.1 OpenCL 2.0

S928X-J Android TV 10 Google Assistant

