

ARM Cortex-A76 S928X-J

Processor	
Processor	ARM Cortex-A76 S928X-J
Processor	ARM Cortex-A55
GPU	ARM Mali-G57 MC2 4K GUI OpenGL ES 3.2 Vulkan 1.2 OpenCL 2.0
Cache	3.2MB
Memory	DDR4 64-bit LPDDR4/4X 8GB DDR4266
eMMC	eMMC 5.1 SLC NAND Flash
Codec	Amlogic (AVE) AV1 MP-10 @ L6.1 8Kp60 VP9 Profile-2 @ 6.1 8Kp60 H.265 HEVC MP-10 @ L6.1 8Kp60 AVS3 8K 10-bit Kp60 AVS2-P2 8K Kp60 H.264 AVC HP @ L5.2 4K Kp60
Video	MPEG-4 WMV/VC-1 AVS MPEG-2 MPEG-1 1080p60 MJPEG MJPEG (ISO/IEC-10918) 4K x4Kp60 JPEG 4K Kp60 H.265 4K Kp60 H.264 4K Kp60 Amlogic TruLife HDR10 HDR10+ HLG HDR Dolby Vision
AI	3.2 TOPS NNA TensorFlow Caffe Tensor (TPU)
Display	HDMI 2.1a eDP PHY CEC Dynamic HDR HDCP 2.2/2.3 8K Kp60 eARC VRR QMS QFT ALLM DSC SBTM
Audio	MP3 AAC WMA RM FLAC Ogg Vorbis Opus SRS TruVolume Dolby Audio DTS 7.1/5.1 VAD
Connectivity	SPDIF 16/24/32 192kHz 3 TDM/PCM/I2S 32x32 48kHz 16x16 192kHz I2S 16x32 384kHz PDM CIC LPF HPF 8-bit DMIC DAC
Storage	10/100/1000
USB	1x USB XHCI OTG 2.0 2x USB 2.0 1x USB 3.0 (5Gbps) PCIe 2.0

S928X



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





YB910_428_V1.0 23082
JSY-3
94V0
E343782
2309

VDD_DDR

DDR0

DDR1



G5000CC
94V0
R145

HDMI

Audio

220
16V



Amlogic S928X-J 4K UHD STB SoC 8 ARM Cortex-A76 ARM Cortex-A55 8 ARM Cortex-A53 ARM Cortex-A35 ARM Mali-G52 GPU 8Kp60 AV1 H.265 VP9 AVS3 AVS2 4K SR

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Amlogic S928X-J 4K 60Hz HDR10 HLG

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

Android TV 10 Google Assistant

Wi-Fi Bluetooth 5.0 HDMI USB Ethernet

Amlogic S928X-J Full HD

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