

Amlogic S928X 12nm 64-bit SoC

Processor

Processor S928X Cortex-A76 Cortex-A55
ARM Mali-G57 MC2 4K GUI OpenGL ES 3.2 Vulkan 1.2 OpenCL 2.0
3.2 GHz
DDR4 64-bit LPDDR4/4X 8GB DDR4266
eMMC

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 4Kp60

Video

MPEG-4 WMV/VC-1 AVS MPEG-2 MPEG-1 1080p60
MJPEG JPEG (ISO/IEC-10918)
4Kx4K H.265 H.264 HEVC VP9 AVS3 JPEG 4K Kp60
H.265 4K Kp60 H.264 4K Kp60
Amlogic TruLife HDR10 HDR10+ HLG HDR Dolby Vision (10-bit)
3.2 GHz TOPS (NNA) TensorFlow Caffe

Connectivity

HDMI 2.1a 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 (Dolby Digital DTS (Dolby Digital 7.1/5.1)
VAD

Audio

SPDIF 16/24/32-bit 192kHz 3 TDM/PCM/I2S 32x32-bit 48kHz
16x16-bit 192kHz I2S 16x32-bit 384kHz
PDM CIC LPF HPF 8-bit DAC
DMIC

Storage

10/100/1000 Mbps

USB

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 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

Google